CIA/ER H 71-2

JULY 1971

SECRET/NFD - ECONOMIC INTELLIGENCE STATISTICAL HANDBOOK 1971

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Economic Intelligence Statistical Handbook

1971

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Economic Intelligence Statistical Handbook 1971

This handbook was produced solely by CIA. It was prepared by the Office of Economic Research. Data on military expenditures and equipment and on the construction of maritime vessels were supplied by the Office of Strategic Research.

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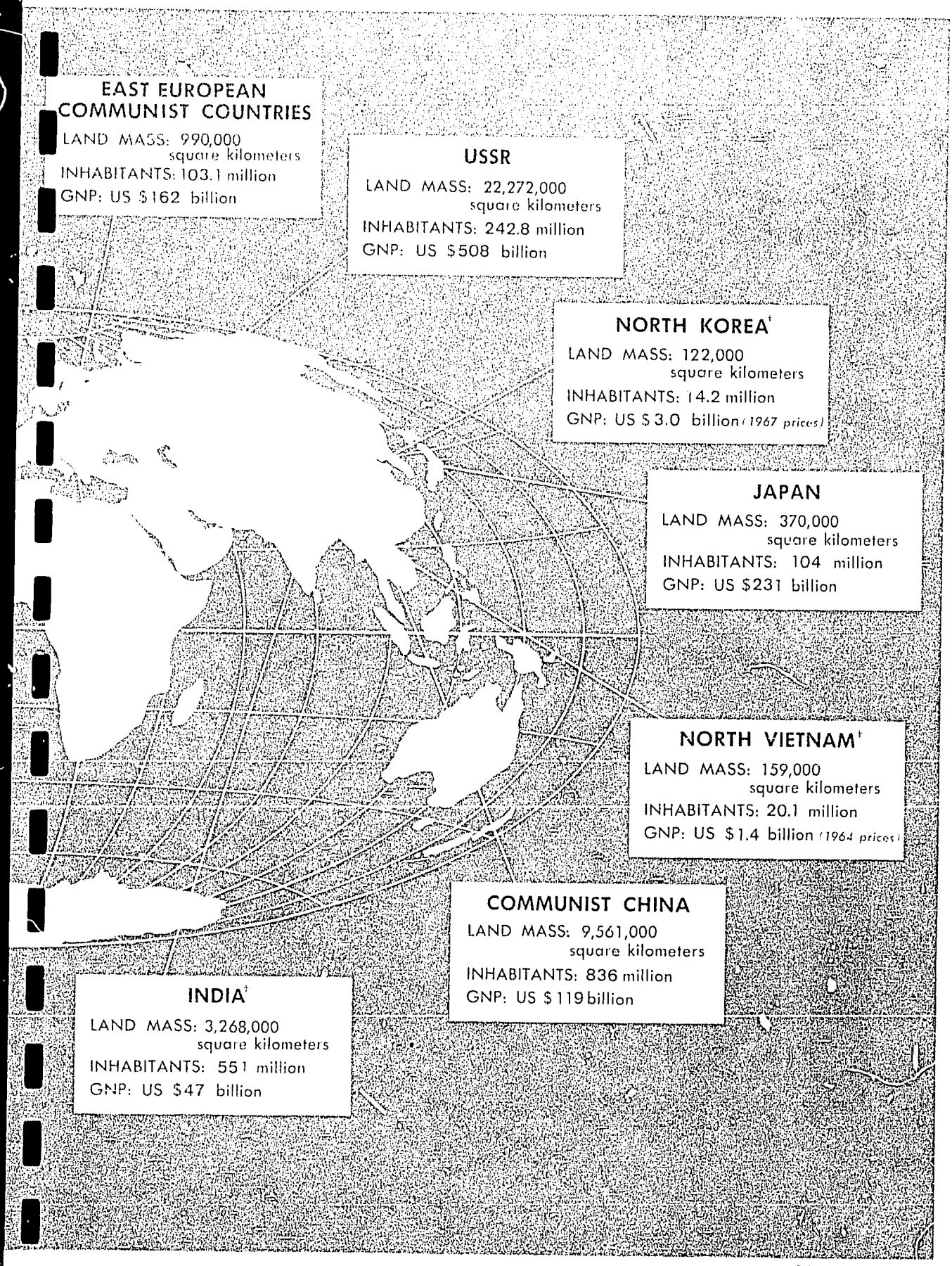
ECONOMIC PROFILE[+] 1970



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FOREWORD

1. *Purpose and Scope*

The *Economic Intelligence Statistical Handbook, 1971* provides statistics on the economies of the Communist countries and the countries of the North Atlantic Treaty Organization (NATO)—including France. New tables and graphics have been added to make possible more explicit comparisons.

In general, the data in the *Handbook* are for 1960 and 1965-70. A summary table is presented for European NATO, Eastern Europe, each of the Communist countries, selected NATO countries, India, and Japan. The data for Mongolia, because of their scarcity, are presented in a summary table but, in general, are not included in the individual commodity or aggregative tables. The graphics are designed for use as visual aids. Footnotes have been used liberally to give definitions, exceptions, and methodology. Footnotes to the commodity tables give more detailed definitions of the data than those appearing for the commodities on the summary table for each country. Therefore, the footnotes to the commodity tables should be referred to when a complete description of the data shown is required.

2. *Rounding of the Totals*

In each table the data for the individual countries have been rounded consistently. Because of the limitations in the cumulative data, the totals have been rounded, with some exceptions, to three significant digits. In general, zeros appearing after the last nonzero number following the decimal point are not significant but are used merely for consistency in presentation.

Totals are not presented if missing data are believed to represent a significant part of the total. In general, data are not given for countries for which a significant amount of data is not available. Because of rounding, components may not add to the totals shown.

3. *Symbols*

The abbreviation *N.A.* (*not available*) is used when information about the existence of the data or the magnitude of the data is not available, and the abbreviation *Negl.* (negligible) is used when the magnitude of the data is less than half of the final unit employed for each table. The metric system is used throughout.

4. *Classification of Data*

The overall classification of the *Handbook* is SECRET/NO FOREIGN DISSEM. The unclassified data, indicated by an asterisk (*), may be official data of the country cited or may be unclassified estimates of this Office. Tables in which all of the data are unclassified have been identified accordingly. *Classified data, however, frequently occur on the reverse of the page, and, therefore, caution should be exercised if pages are removed from this publication.*

5. *Sources*

The data given for the most recent years are frequently preliminary and subject to revision. The data for the Communist countries are estimates of this Office, official data from the country cited, or estimates made by other organizations. The data for the NATO and other Free World countries are from publications of the United Nations and the Organization for Economic Cooperation and Development (OECD), are from unclassified publications of other international organizations or ilndividual countries of the Free World, or are estimates of this Office.

6. *Terms*

Unless otherwise indicated, the term *Communist Countries* includes the USSR, the countries of Eastern Europe, Communist China, North Korea, North Vietnam, Albania, Cuba, and Yugoslavia; the

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term *Eastern Europe* includes Bulgaria, Czechoslovakia, East Germany, Hungary, Poland, and Romania. The term *NATO* includes the United States Belgium, Canada, Denmark, France, Greece, Iceland, Italy, Luxembourg, the Netherlands, Norway, Porftugal, Turkey, the United Kingdom, and West Germany. The term *developed countries* includes Austria, Belgium, Denmark, Finland, France, Iceland, Ireland, Italy, Liechtenstein, Luxembourg, Norway, the Netherlands, Sweden, Switzerland, the United Kingdom, West Germany, Australia, Canada, Japan, New Zealand, South Africa, and the United States. The term *less developed countries of the Free World* includes (1) all countries of Africa except the Republic of South Africa, (2) all countries of East Asia exectp Japan, (3) Portugal and Spain in Europe, (4) all countries in Latin America excetp Cuba, and (5) all countries in the Near East and South Asia.

As far as possible, production data for the Saar have been included in the data for West Germany for all years, unless otherwise indicated. Data for Alaska and Hawaii, when available, have been included in the total for the United States. Data for any of the above country groupings may or may not include all of the countries listed above, depending on the commodity or services listed.

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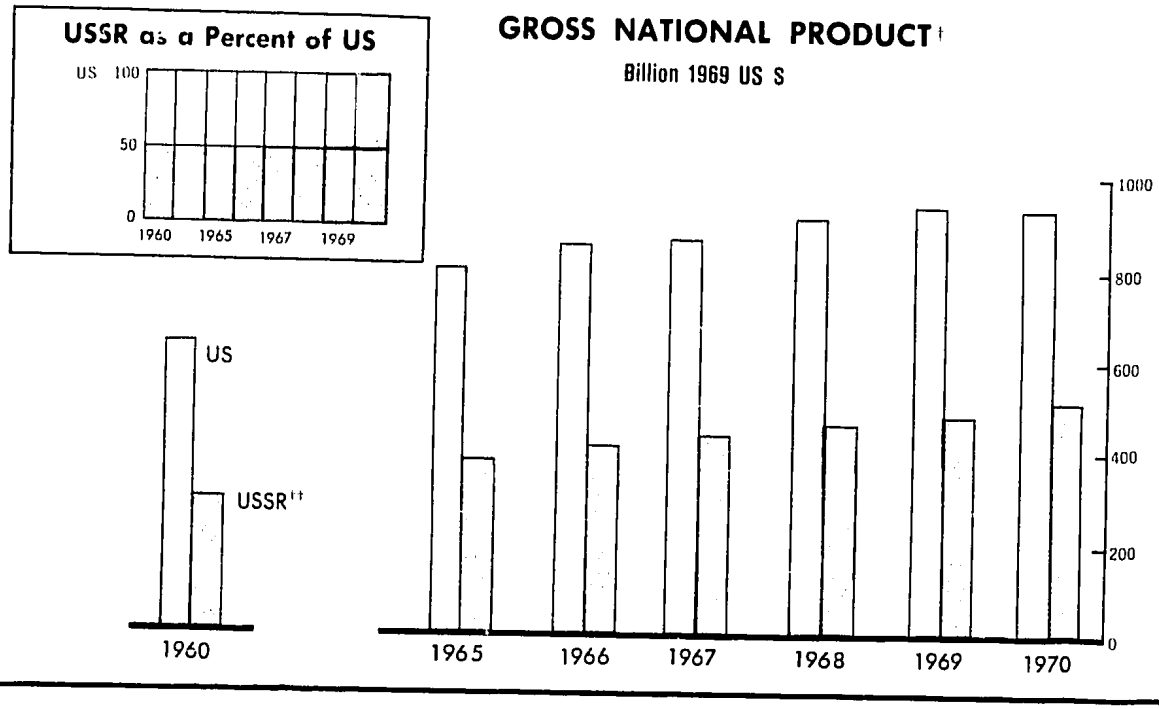
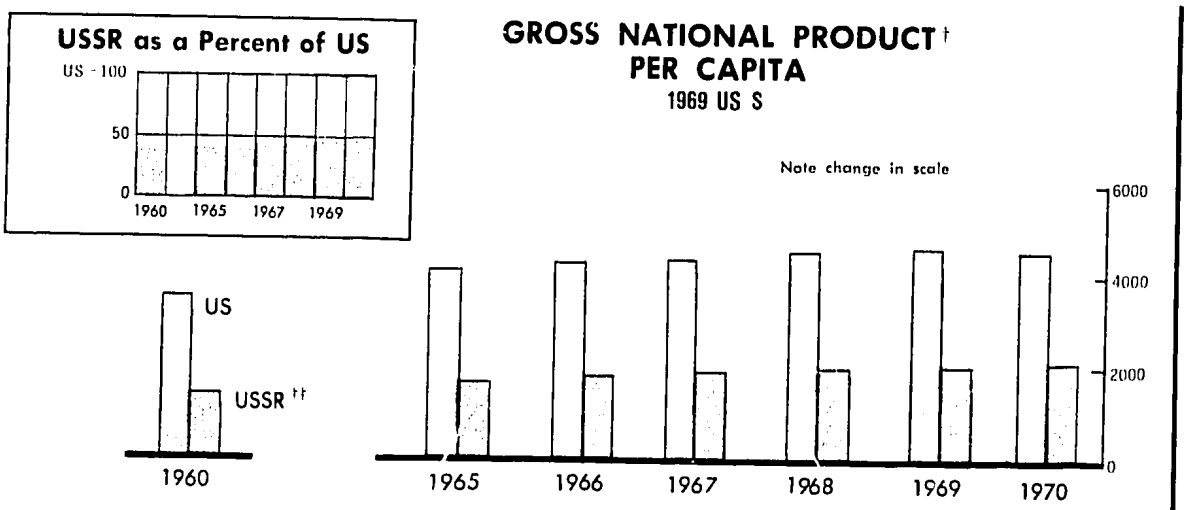
Figure 1

GROSS NATIONAL PRODUCT† IN THE US AND THE USSR

		1960	1965	1966	1967	1968	1969	1970
GNP (Billion 1969 US $)								
	US	624.7	791.1	843.4	864.8	906.2	931.4	927.5
	USSR††	287.7	379.6	404.2	429.2	454.6	473.2	508.0
	Difference	337.0	411.5	439.2	435.6	451.6	458.2	419.5
GNP (USSR as a Percent of US)		46	48	48	50	50	51	55
GNP Per Capita (1969 US $)								
	US	3,460	4,070	4,290	4,350	4,520	4,600	4,530
	USSR††	1,340	1,640	1,730	1,820	1,910	1,970	2,090
GNP Per Capita (USSR as a Percent of US)		39	40	40	42	42	43	46





† At market prices.
†† Converted at US purchasing power equivalents.

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Table 1

Estimated Gross National Product at Market Prices

	Billion 1969 US $ (*Converted at US Purchasing Power Equivalents* [a])							Average Annual Rate of Growth [b] (Percent)	
	1960	1965	1966	1967	1968	1969	1970	1961–65	1966–70
NATO Countries	**1,130***	**1,440***	**1,520***	**1,560***	**1,640***	**1,700***	**1,730***	5.0*	3.7*
United States	624.7*	791.1*	843.4*	864.8*	906.2*	931.4*	927.5*	4.8*	3.2*
Canada [c]	45.1*	59.5*	63.7*	65.9*	69.2*	72.7*	75.1*	5.7*	4.7*
European NATO	**460***	**590***	**610***	**630***	**660***	**700***	**730***	5.1*	4.4*
Of which:									
Belgium	20.1*	25.9*	26.6*	27.6*	28.6*	30.5*	32.1*	5.2*	4.4*
Denmark	9.7*	12.5*	12.7*	13.2*	13.7*	14.7*	15.4*	5.2*	4.3*
France	98.0*	130.2*	137.5*	143.9*	150.9*	162.9*	172.6*	5.8*	5.8*
Italy	59.7*	77.2*	81.8*	87.0*	92.0*	98.4*	103.4*	5.3*	6.0*
Netherlands	21.1*	27.0*	27.7*	29.4*	31.2*	32.9*	34.8*	5.0*	5.2*
Norway	6.8*	8.9*	9.2*	9.8*	10.1*	10.6*	11.0*	5.4*	4.4*
United Kingdom	109.0*	128.7*	131.2*	133.9*	137.8*	139.7*	142.2*	3.4*	2.0*
West Germany [d]	114.4*	146.3*	150.0*	149.6*	160.3*	173.4*	181.9*	5.0*	4.4*
Communist Countries									
USSR and Eastern Europe	**394**	**509**	**541**	**572**	**603**	**628**	**670**	5.3	5.7
USSR	287.7	379.6	404.2	429.2	454.6	473.2	508.0	5.7	6.0
Eastern Europe	**107***	**129***	**137***	**143***	**149***	**155***	**162***	3.8*	4.7*
Bulgaria	5.8*	7.8*	8.5*	9.0*	9.6*	10.3*	11.1*	6.1*	7.3*
Czechoslovakia	23.9*	25.5*	26.7*	28.0*	28.9*	29.7*	30.9*	1.3*	3.9*
East Germany	26.1*	30.6*	31.8*	33.2*	34.5*	36.2*	37.7*	3.2*	4.3*
Hungary	10.4*	12.6*	13.3*	13.8*	14.2*	14.6*	15.0*	3.9*	3.5*
Poland	27.6*	35.5*	37.6*	39.0*	40.6*	41.9*	43.8*	5.2*	4.3*
Romania	13.0*	17.2*	18.7*	19.8*	20.9*	22.1*	23.2*	5.8*	6.2*
Far East									
Communist China	86	95	104	100	97	107	119	2.0	4.6

* *An asterisk indicates that the data are unclassified.*

[a] For the individual European NATO countries, the ratios for converting gross national product (GNP) in national currencies at 1969 prices into 1969 US dollars on the basis of US purchasing power equivalents are derived from the 1950 ratios in Milton Gilbert and Associates, *Comparative National Products and Price Levels*, OEEC, Paris, 1958, using the geometric mean of European and US weighted ratios. These 1950 ratios were moved to 1969 by applying the following factor: the derived price indexes for each European country for 1950–69 divided by a derived price index for the United States for 1950–69. These price indexes were derived for each country by dividing the growth of GNP in current prices by the growth of GNP in constant prices. The ratios thus obtained were applied to the GNP values, given in the national currencies in 1969 prices. The total GNP for the European NATO countries is based on the estimate that the total GNP of the individual countries shown represents 95% of the total European NATO GNP, which is the approximate relationship derived from other sources. The values shown for the Communist countries have been calculated in a manner which makes them reasonably comparable with the values shown for the NATO countries.

[b] The base year is the year prior to the stated period. Rates of growth are derived from unrounded data.

[c] Converted at the exchange rate of 1.081 Canadian dollars to US $1.

[d] Including data for West Berlin, for which separate data are not available.

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Table 2

Gross National Product, by End Use, in the US and the USSR
1969

	Billion 1969 US $ [a]		USSR as a Percent of US
	US	USSR	
Consumption	629.6*	251.0	40
New fixed investment	162.4*	145.5	90
Defense	81.4*	63.2	78
Other	58.0*	41.6	72
GNP	931.4*	473.2 [b]	51

* *An asterisk indicates that the data are unclassified.*

[a] US market prices. Total Soviet gross national product (GNP) and the various end uses were converted to dollars not by the official rate of exchange but by the average purchasing power ratio of the dollar and the ruble calculated from actual or estimated prices paid for various goods and services in the two economies. For GNP as a whole and for each end use component of GNP, these average ratios (ruble-dollar ratios) were estimated by weighting individual price ratios by both US and Soviet expenditure weights. The geometric mean of the US weighted and Soviet weighted ratios was then used for the conversion of Soviet values into dollars.

The magnitudes for the Soviet end use components were calculated to measure quantity of output compared with the United States but not the cost in resources. The share of total economic resources devoted to a particular end use or the share of total output originating in an individual sector (for example, agriculture or industry) in the USSR should be measured in internal ruble prices and costs. Agriculture alone, for example, uses 31% of the labor force, or 38 million people, as a result of the inefficiency of that sector in the USSR.

The adjusted end uses of GNP are defined as follows:

(1) Consumption comprises personal expenditures for goods and services for all purposes and noninvestment outlays by government for goods and services for health and education. (The personal consumption expenditures for the United States are $577.5 billion.)

(2) Investment is defined (a) for both the United States and the USSR as the sum of expenditures for gross private domestic investment net of inventories; for public construction other than that for defense facilities; for equipment purchased by the government except that for defense; and for defense stockpiling and defense-production expansion; and (b) for the United States, as also including expenditures by state and local government for development of atomic energy. (The gross private domestic investment for the United States is $139.8 billion.)

(3) Defense as a component of GNP comprises government purchases of goods and services for the military services, federal government expenditures on atomic energy development, and outlays on space research and technology. Defense excludes stockpiling activities and net military grants for foreign military assistance. (The federal government purchases of goods and services for national defense, excluding purchases by NASA, for the United States are $78.8 billion.)

(4) Other for the USSR includes inventory change, administration, net exports, and a statistical discrepancy. Administration includes expenditures on civilian internal security, general agricultural programs, public organizations, government administration, and social welfare. Other for the United States includes administration, net exports and military assistance, change in inventories and stockpiles, and a statistical discrepancy. Administration is the residual left after all current expenditures for national defense, health, education, and all capital expenditures are subtracted from government purchases of goods and services. (There is no equivalent category for the unadjusted data for the United States.)

[b] The sum of the end use components of Soviet GNP, valued in dollars, does not equal the dollar value of aggregate GNP, because of the use of average ruble-dollar ratios in converting from ruble values to dollar values. Nevertheless, the individual end use components were not adjusted to agree with the total, since the US-USSR comparisons shown are believed to give the best available description of relative size.

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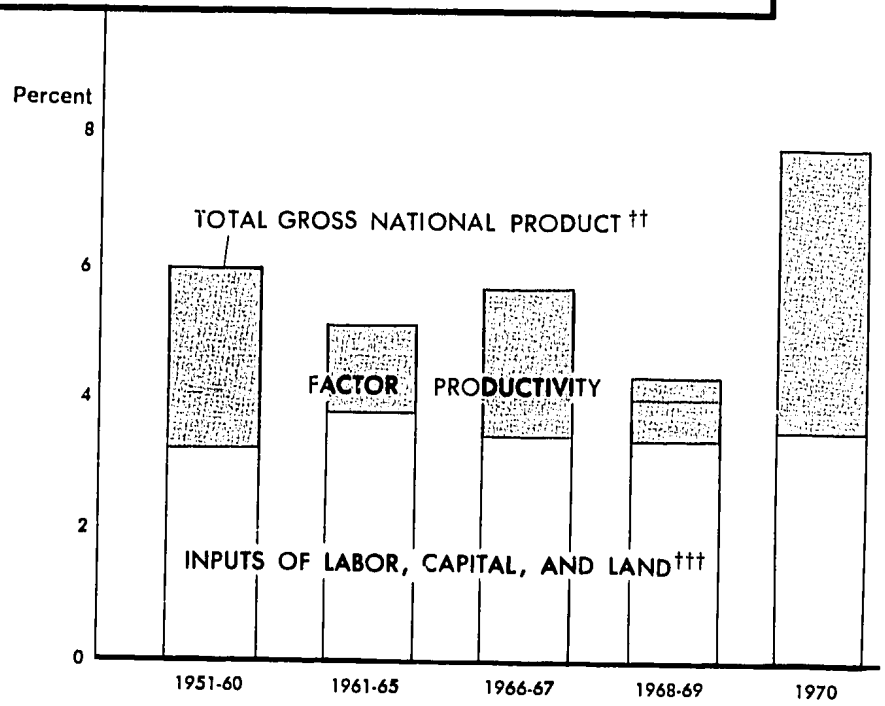
Figure 2

AGGREGATE FACTOR PRODUCTIVITY IN THE USSR

	AVERAGE ANNUAL RATE OF GROWTH (PERCENT) †				
	1951-60	1961-65	1966-67	1968-69	1970
GROSS NATIONAL PRODUCT ††	6.0	5.2	5.7	4.3	7.9
FACTOR PRODUCTIVITY					
Labor (manhours), capital, and land	2.7	1.3	2.2	0.9	4.3
Manhours	5.4	3.3	3.8	2.4	5.9
Capital (including livestock)	−3.0	−3.2	−1.7	−2.8	0.1
Land	2.9	4.6	6.3	3.9	9.1
INPUTS					
Labor (manhours), capital, and land †††	3.2	3.8	3.4	3.4	3.5
Manhours	0.6	1.9	1.8	1.9	1.9
Capital (including livestock)	9.3	8.6	7.6	7.4	7.7
Land	3.0	0.6	−0.6	0.4	−1.1



† The base year is the year prior to the stated period.

†† Based on indexes of GNP (1960 rubles), by sector of origin, at factor cost.

††† Inputs of manhours, capital, and land are combined using weights of 66.59%, 29.91%, and 3.50%, respectively, in a Cobb-Douglas (linear homogeneous) production function. These weights represent the distribution of labor costs, charges on gross fixed capital (including livestock), and land rent in 1968, the base year for all indexes underlying the growth rate calculations.

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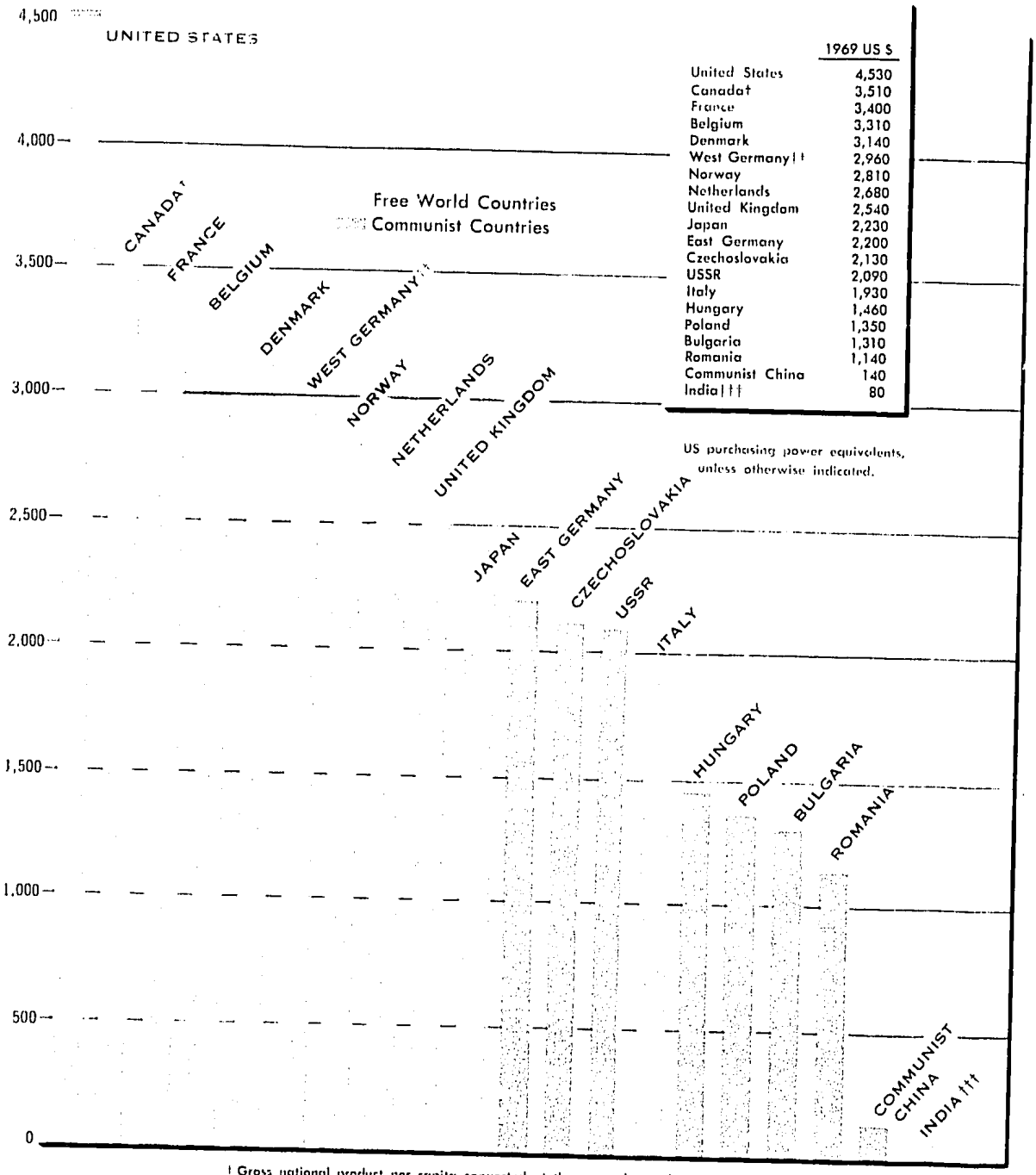
PER CAPITA GROSS NATIONAL PRODUCT IN SELECTED COUNTRIES, 1970

Figure 3



	1969 US $
United States	4,530
Canada†	3,510
France	3,400
Belgium	3,310
Denmark	3,140
West Germany††	2,960
Norway	2,810
Netherlands	2,680
United Kingdom	2,540
Japan	2,230
East Germany	2,200
Czechoslovakia	2,130
USSR	2,090
Italy	1,930
Hungary	1,460
Poland	1,350
Bulgaria	1,310
Romania	1,140
Communist China	140
India†††	80

US purchasing power equivalents, unless otherwise indicated.

† Gross national product per capita converted at the par value exchange rate of 1.081 Canadian dollars to US $1.
†† Including West Berlin.
††† Gross national product per capita converted at the par value exchange rate of 7.5 rupees to US $1.

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Table 3

Percentage Distribution of Soviet Gross National Product, by End Use
(Adjusted Factor Cost [a])

Percent of Total

	1960	1965	1966	1967	1968	1969	1970 [b]
Consumption	63	59	59	60	60	59	58
Investment	27	29	29	30	30	31	31
New fixed	22	22	23	24	24	24	24
Other [c]	5	7	6	6	6	7	7
Defense	8	7	7	7	7	7	7
Administration	2	2	2	2	2	2	2
Inventory change, net exports, and statistical discrepancy	*Negl.*	3	3	1	1	1	2
Total	**100**	**100**	**100**	**100**	**100**	**100**	**100**

[a] Because of the well-known difficulties in using Soviet established prices as a measure of resource burden, the shares of gross national product (GNP) in this table are based on GNP at factor cost. In calculating GNP at factor cost, 1968 end use weights have been revised from an established price basis to a factor cost basis by subtracting turnover taxes and profits and adding amortization charges, implicit interest costs, agricultural land rent, and subsidies. These revised weights are then moved over time by indexes of the value of the various end uses in constant market prices.

[b] Preliminary.

[c] Civilian research and development and expenditures on capital repair.

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Table 4

Indexes of Industrial Production [a] in Selected NATO and Communist Countries

	1960=100							Average Annual Rate of Growth [b] (Percent)	
	1960	1965	1966	1967	1968	1969	1970 [c]	1961–65	1966–70
NATO Countries									
United States	100*	132*	144*	145*	152*	159*	155*	5.7*	3.3*
Belgium	100*	132*	134*	137*	144*	159*	171*	5.7*	5.3*
France	100*	128*	137*	142*	148*	167*	176*	5.1*	6.6*
Italy	100*	140*	156*	169*	180*	185*	198*	7.0*	7.2*
Luxembourg	100*	110*	106*	106*	112*	127*	127*	1.9*	2.9*
Netherlands	100*	134*	142*	148*	165*	185*	202*	6.0*	8.6*
United Kingdom	100*	116*	118*	118*	124*	129*	131*	3.0*	2.5*
West Germany	100*	132*	134*	132*	148*	167*	177*	5.7*	6.0*
Communist Countries									
USSR and Eastern Europe									
USSR [d]	100	140	151	162	172	183	195	7.0	6.8
Eastern Europe	100*	133*	143*	153*	163*	174*	186*	5.9*	6.9*
Bulgaria	100*	173*	194*	220*	246*	271*	296*	11.6*	11.3*
Czechoslovakia	100*	120*	127*	135*	141*	147*	156*	3.7*	5.4*
East Germany	100*	119*	125*	131*	138*	147*	155*	3.5*	5.4*
Hungary	100*	139*	149*	158*	164*	168*	178*	6.8*	5.1*
Poland	100*	139*	147*	157*	169*	182*	195*	6.8*	7.0*
Romania	100*	167*	187*	208*	229*	249*	273*	10.8*	10.3*
Far East									
Communist China [e]	100	97–102	110–117	88–95	92–100	112–123	130–144	0 [f]	6.6 [f]
Other									
Yugoslavia	100*	166*	173*	172*	183*	203*	221*	10.7*	5.9*

* *An asterisk indicates that the data are unclassified.*

[a] Indexes for the NATO countries are value-added weighted indexes of intermediate and final products of industry. Industry includes manufacturing and mining and, in most countries, public utilities. Data for Belgium, France, Italy, Luxembourg, the Netherlands, the United Kingdom, and West Germany exclude the manufacture of food, beverages, and tobacco. The indexes for the Communist countries are estimates of this Office—constructed as nearly as possible on the same basis as the indexes for Western countries—or other calculations accepted by this Office. The indexes for the Communist countries include manufacturing, mining, and public utilities.

[b] The base year is the year prior to the stated period.

[c] Preliminary.

[d] Index of gross values for individual commodities and branches aggregated by 1968 value-added weights. The three sectors covered—materials, machinery, and nondurable consumer goods—constitute 50.14%, 30.11%, and 19.75%, respectively, of the value-added weights for industrial production. This index is as comparable as data will permit with the index of US industrial production of the US Federal Reserve Board.

[e] Estimates of this Office computed by applying value-added weights to data for commodity production. The data are fragmentary and uncertain; therefore, the index should be regarded as providing only a tentative indication of the general level and trend in production.

[f] Based on the midpoint of the range.

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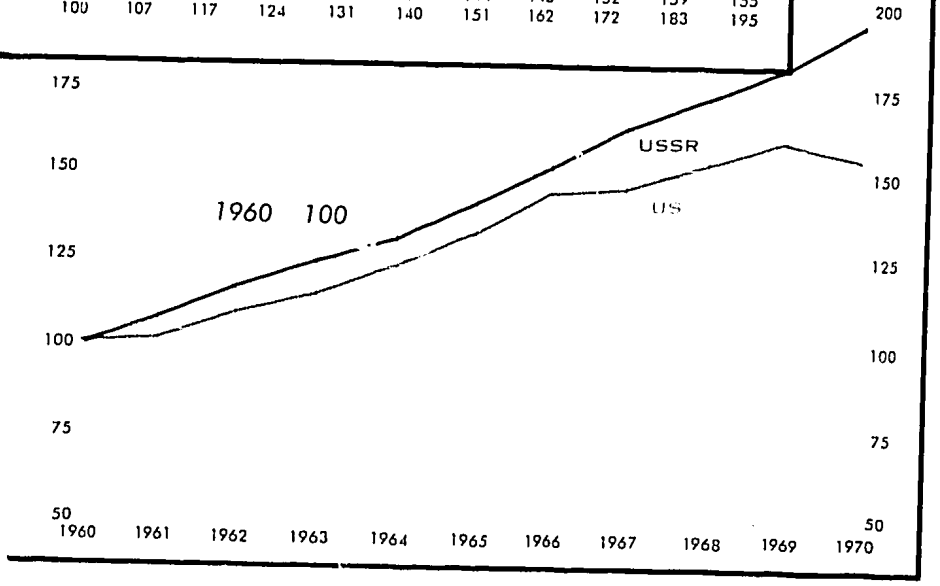
Figure 4

INDEXES OF INDUSTRIAL AND AGRICULTURAL PRODUCTION IN THE US AND THE USSR

INDUSTRIAL PRODUCTION (1960 = 100)

	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
US	100	101	109	114	122	132	144	145	152	159	155
USSR	100	107	117	124	131	140	151	162	172	183	195



AGRICULTURAL PRODUCTION (1960 = 100)

	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
US	100	101	102	106	104	108	107	111	113	116	114
USSR	100	109	107	102	115	119	129	128	124	129	144

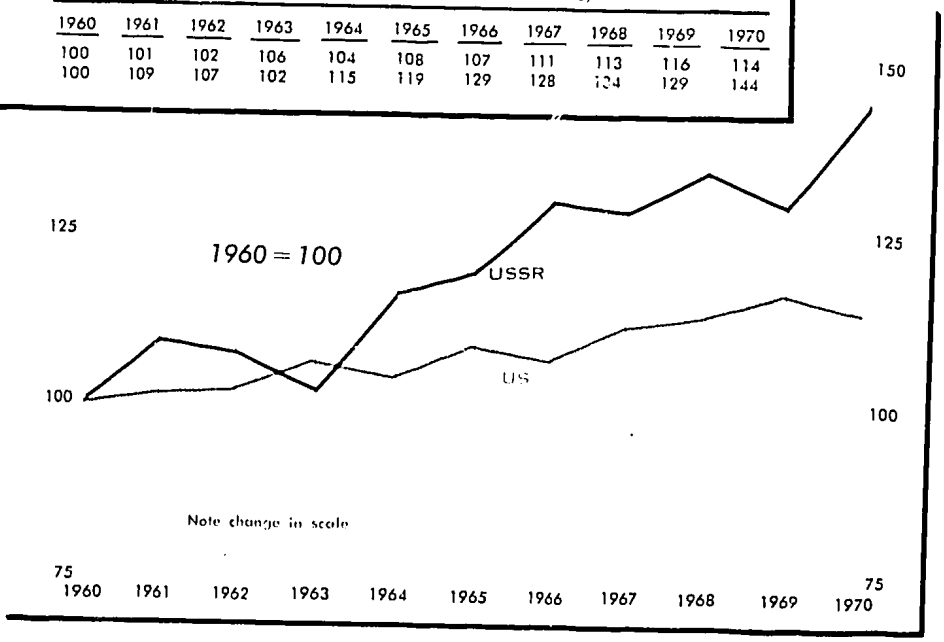


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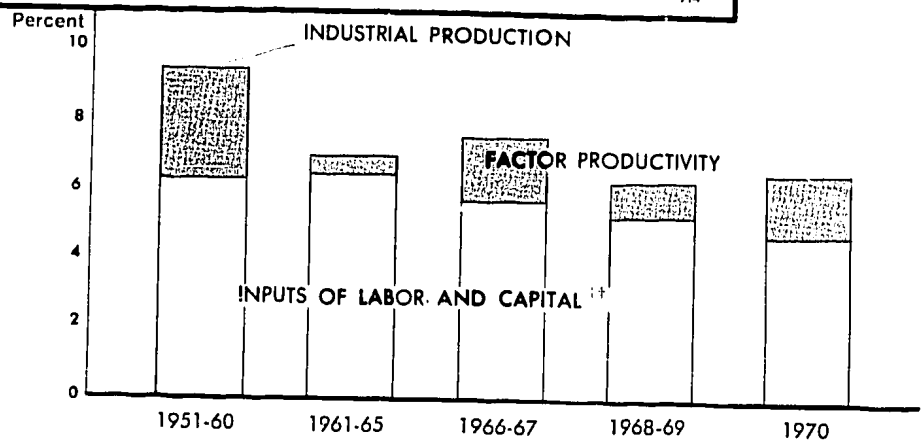
Figure 5

INDUSTRIAL AND AGRICULTURAL FACTOR PRODUCTIVITY IN THE USSR

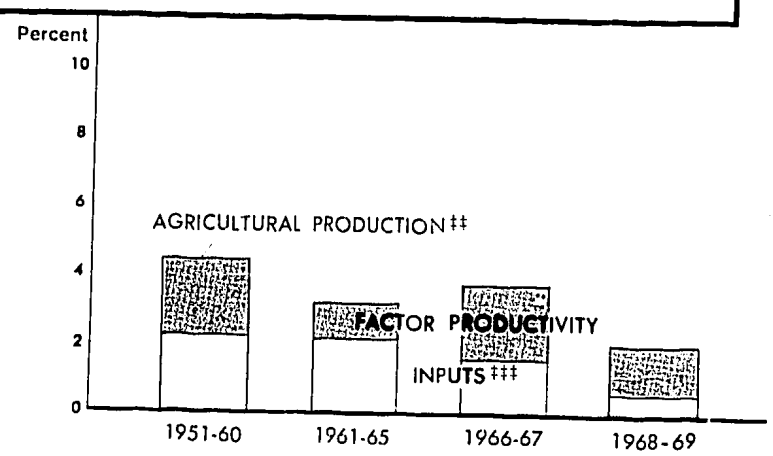
	AVERAGE ANNUAL RATE OF GROWTH (PERCENT) ‡				
	1951-60	1961-65	1966-67	1968-69	1970
INDUSTRIAL PRODUCTION	9.6	7.0	7.6	6.2	6.6
FACTOR PRODUCTIVITY					
Labor (manhours) and capital	3.2	0.5	1.9	1.0	1.8
Manhours	6.9	3.7	4.0	3.1	5.1
Capital	−1.7	−3.8	−1.0	−2.0	−2.6
INPUTS					
Labor (manhours) and capital ††	6.2	6.4	5.6	5.2	4.7
Manhours	2.6	3.2	3.4	3.0	1.4
Capital	11.5	11.2	8.7	8.3	9.4



‡ The base year is the year prior to the stated period.

†† Inputs of manhours and capital are combined using weights of 58.4% and 41.6%, respectively, in a Cobb-Douglas (linear homogeneous) production function. These weights represent the distribution of labor costs (wages and social insurance deductions) and capital costs (charges on fixed and working capital and depreciation) in 1968, the base year for all indexes underlying the growth rate calculations.

	AVERAGE ANNUAL RATE OF GROWTH (PERCENT) ‡			
	1951-60	1961-65	1966-67	1968-69
AGRICULTURAL PRODUCTION ‡‡	4.4	3.2	3.8	2.1
FACTOR PRODUCTIVITY	2.1	1.1	2.2	1.5
INPUTS ‡‡‡	2.3	2.2	1.6	0.6



‡ The base year is the year prior to the stated period.

‡‡ Percentages were derived from output data, using three-year moving averages.

‡‡‡ Inputs of mandays, fixed capital, land, livestock, and current purchases are combined using weights of 57.3%, 8.4%, 17.3%, 2.9%, and 14.1%, respectively, in a Cobb-Douglas production function. These weights represent the monetary or inputed costs attributed to each of the inputs in 1959, the base for all indexes underlying the growth rate calculations.

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Table 5

Indexes of Agricultural Production [a] in the East European Communist Countries

	1960 = 100							Average Annual Rate of Growth [b] (Percent)	
	1960	1965	1966	1967	1968	1969	1970	1961–65	1966–70
Eastern Europe	100*	107*	117*	120*	119*	117*	115*	1.4*	1.5*
Bulgaria	100*	120*	142*	143*	128*	132*	137*	3.7*	2.7*
Czechoslovakia	100*	96*	108*	113*	116*	111*	110*	−0.8*	2.8*
East Germany	100*	104*	107*	112*	114*	108*	104*	0.8*	0*
Hungary	100*	102*	114*	122*	118*	122*	115*	0.4*	2.4*
Poland	100*	107*	114*	115*	116*	111*	112*	1.4*	0.9*
Romania	100*	113*	131*	135*	132*	131*	122*	2.5*	1.5*

* *An asterisk indicates that the data are unclassified.*

[a] These indexes are estimates of this Office. They are based on the value of crop production less feed (including imported grain), seed, and waste; plus the value of livestock products, including changes in livestock numbers. FAO/OECD West European regional price weights (1952–56 average) were used to compute the indexes.

[b] The base year is the year prior to the stated period.

Table 6

Average Annual Rates of Growth [a] of Industrial Production, by Branch of Industry, in the USSR

Percent

	1961–65	1966–70 [b]	1965	1966	1967	1968	1969	1970 [b]
Industrial materials	7.3	6.2	7.3	7.0	7.0	5.4	4.6	6.8
Electric power	11.5	8.0	10.0	7.6	7.7	8.8	7.9	7.9
Coal	2.7	2.0	4.4	1.9	2.2	0.6	2.5	2.7
Petroleum products and natural gas	10.9	7.8	9.0	9.0	9.0	7.1	6.2	7.7
Ferrous metals	7.9	5.6	7.4	7.6	6.5	4.9	3.2	6.1
Nonferrous metals	8.3	8.2	7.9	9.4	9.6	8.8	7.1	6.0
Forest products	3.4	4.2	1.7	1.9	5.9	4.0	2.5	6.7
Paper and paperboard products	7.7	6.5	12.8	10.5	8.2	5.1	5.5	3.4
Construction materials	8.0	6.2	9.3	9.7	7.9	3.9	2.6	7.4
Chemicals	11.5	9.3	11.9	12.7	9.7	7.4	6.2	10.9
Machinery	8.2	8.4	6.1	10.0	8.0	7.7	9.2	7.0
Civilian	8.9	9.4	6.5	10.6	8.4	9.5	10.0	8.6
Military	[illegible].9	6.4	5.5	8.9	7.3	4.4	7.7	3.9
Nondurable consumer goods	4.5	6.2	6.1	5.6	8.1	6.6	5.4	5.3
Soft goods	2.4	7.7	1.2	8.1	9.3	8.7	7.3	5.1
Processed foods	7.0	4.6	11.6	3.1	6.9	4.3	3.3	5.6
Total industrial production	7.0	6.8	6.7	7.6	7.5	6.3	6.1	6.6

[a] The base year is the year prior to the stated period. Rates of growth are derived from unrounded data.

[b] Preliminary.

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Table 7

Official Communist Indexes of Gross Industrial Production [a]

	1960 = 100							Average Annual Rate of Growth [b] (Percent)	
	1960	1965	1966	1967	1968	1969	1970	1961–65	1966–70
COMMUNIST COUNTRIES									
USSR and Eastern Europe									
USSR	100	151	164	180	195	209	227	8.6	8.5
Eastern Europe									
Bulgaria	100	174	195	221	247	272	297	11.7	11.3
Czechoslovakia	100	129	138	148	156	164	177	5.2	6.5
East Germany	100	133	142	151	160	171	182	5.9	6.5
Hungary	100	145	155	169	177	182	195	7.7	6.1
Poland	100	150	161	174	190	207	224	8.4	8.4
Romania	100	191	213	241	269	298	334	13.8	11.8
Far East									
North Korea	100	198	192	224	258	255	332	14.6	10.9
North Vietnam	100	184	*N.A.*	*N.A.*	*N.A.*	*N.A.*	*N.A.*	13.0	*N.A.*
Other									
Albania [c]	100	139	156	176	209 [d]	232 [d]	254 [d]	6.8	12.8

[a] These indexes are measures of the "gross" value of production of industry at constant prices. The gross value of production is, in general, the sum of the value of output of all industrial enterprises. The definition of industry in Communist countries includes not only manufacturing, mining, and public utilities, as in most Western definitions of industry, but also certain other activities (varying from country to country).

[b] The base year is the year prior to the stated period.

[c] Socialized industry only.

[d] Estimated.

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Table 8

Soviet State Budget

Billion New Rubles

Category	1960 Actual	1965 Actual	1966 Actual	1967 Actual	1968 Actual	1969 Actual	1970 Plan	1970 Actual	1971 Plan
Revenues									
Social Sector	70.14	93.89	97.02	107.1	119.4	127.4	131.34	140.2	146.11
Turnover Tax	31.34	38.66	39.31	40.1	40.8	44.5	46.6	48.8	54.2
Profit Deductions	18.64	30.87	35.67	41.8	48.0	48.0	50.4	53.8	54.8
Taxes on Enterprises and Organizations	1.85	1.55	1.15	1.3	1.1	1.1	34.3	1.1 [a]	37.1
Social Insurance Receipts	3.74	5.56	6.00	6.5	7.2	7.9		8.5	
Residual	14.58	17.25	14.89	17.4	22.3	25.9		28.0	
Private Sector	6.94 [b]	8.43	9.27	10.1	11.4	12.6	13.6	13.7	14.86
State Taxes on the Population	5.60	7.70	8.44	9.3	10.5	11.6	12.7	12.7	13.8
State Loans	0.91 [b]	0.18	0.22	0.1	0.3	0.4	0.9	1.0	1.1
Local Taxes and Lottery Revenue	0.43	0.55	0.61	0.7	0.6	0.6			
Total	**77.08** [b]	**102.32**	**106.30**	**117.16**	**130.84**	**140.03**	**144.93**	**153.9**	**160.97**
Expenditures									
Financing the National Economy	34.13	44.92	45.18	52.8	58.7	62.4	63.48	71.4	77.03
Industry and Construction	15.59	20.99	21.06	23.5	24.2	*N.A.*	23.9	*N.A.*	29.6
Agriculture and Procurement	4.75	6.77	6.30	7.0	9.3	*N.A.*	9.5	*N.A.*	10.9
Transport and Communications	2.81	2.83	2.61	2.6	2.7	*N.A.*	2.8	*N.A.*	3.0
Trade	3.59	2.27	2.84	*N.A.*	*N.A.*	*N.A.*	6.1	*N.A.*	6.0
Municipal Economy and Housing	3.22	4.23	4.53	5.0	5.2	*N.A.*	21.2	*N.A.*	27.5
Other	4.17	7.83	7.83	*N.A.*	*N.A.*	*N.A.*			
Social-Cultural Measures	24.94	38.16	40.76	43.48	48.31	51.86	54.85	56.0	58.52
Education, Science, and Culture	10.31	17.51	18.73	20.09	21.85	23.31	24.5	24.7	25.9
Health and Physical Culture	4.84	6.67	7.10	7.45	8.14	8.55	9.2	9.2	9.3
Social Welfare	9.79	13.99	14.93	15.94	18.32	20.00	21.1	22.1	23.3
Administration	1.09	1.28	1.41	1.5	1.6	1.7	1.71	1.65	1.72
Defense	9.30	12.78	13.40	14.5	16.7	17.7	17.85	17.9	17.85
Loan Service	0.7	0.1	0.1	0.2	0.1	0.2	0.2 [b]	0.2 [b]	0.2 [b]
Reserve Funds of the Council of Ministers	0	0	0	0	3.1	4.7	6.56 [b]	5.2 [b]	5.45
Residual	2.97	4.38	4.73	2.76					
Total	**73.13**	**101.62**	**105.58**	**115.24**	**128.56**	**138.53**	**144.66**	**152.3**	**160.77**
Budget Surplus	3.95 [a]	0.70	0.72	1.92	2.28	1.50	0.27	1.6	0.20

[a] Estimated.

[b] Including revenue from the savings deposits of the population.

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Table 9

Soviet Gross Fixed Capital Investment, by Function and by Sector [a]

Million New Rubles [b]

	1960	1965	1966	1967	1968	1969	1970 [c]
Total investment	**35,914**	**48,733**	**52,339**	**56,701**	**61,449**	**63,352**	**69,000**
By function [d]							
Construction	24,000	29,000	31,100	33,600	36,000	36,700	40,000
Equipment	9,700	16,300	17,200	18,600	20,300	20,900	23,000
Other capital outlays	2,200	3,400	4,100	4,500	5,100	5,800	6,000
By sector							
Industry [e]	12,673	17,676	18,288	19,509	21,299	22,000	25,700
Ferrous metallurgy	1,192	1,543	1,466	1,681	1,898	1,860	2,000
Chemicals	890	1,833	1,769	1,737	1,831	2,012	2,200
Fuels and power	3,739	5,690	6,026	6,222	6,355	6,528	7,800
Machine building	1,787	2,755	3,021	3,423	3,886	4,470	5,400
Construction materials	997	866	911	975	1,227	1,247	1,300
Consumer goods	1,945	2,295	2,531	2,678	3,447	3,500	4,600
Other [f]	2,123	2,694	2,564	2,793	2,655	2,383	2,400
Construction industry	1,021	1,312	1,547	1,785	2,133	2,181	2,300
Transport and communications	3,428	4,845	5,002	5,227	5,599	6,045	6,100
Agriculture	4,891	8,574	9,385	10,014	11,247	11,676	13,100
Housing	8,209	8,162	8,957	9,643	10,120	10,416	10,700
Services	5,692	8,164	9,160	10,523	11,051	11,034	11,100

[a] Unless otherwise indicated, data are from the Soviet statistical handbook *Narodnoye khozyaystvo SSSR* for 1969.

[b] Data are expressed in investment prices of 1 July 1955 adjusted to reflect subsequent introduction of the following changes: new unit valuations (1956), reduction of overhead cost norms (1958), reduction of equipment installation prices (1959), and reduction of prices for project-survey work and of unit valuations for some types of construction-installation work (1962).

[c] Preliminary; estimated to the nearest hundred million rubles. The data were first estimated in prices of 1 January 1969 (the reporting prices for investment now in official use) and were then converted to prices of 1 July 1955 using estimated conversion ratios.

[d] Rounded to the nearest hundred million rubles. Values for 1960 were computed from percentage share distributions as reported in the Soviet statistical handbook, *Statisticheskiy yezhegodnik stran-chlenov Soveta Ekonomicheskoy Vzaimopomoshchi, 1970*, p. 171.

[e] Excluding the construction industry. Investment figures for 1960 and 1965–67 are from *Narodnoye khozyaystvo SSSR* for 1967, p. 622. The figures for 1968–69 are derived from investment series published in *Statisticheskiy yezhegodnik stran-chlenov Soveta Ekonomicheskoy Vzaimopomoshchi, 1970*, pp. 155–164.

[f] Computed as a residual; it includes investment in nonferrous metallurgy, timber, paper, woodworking, and miscellaneous other branches of industry.

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Table 10

Soviet Stock of Fixed Capital, by Sector [a]

Billion New Rubles [b]

	1960	1965	1966	1967	1968	1969	1970 [c]
Total capital stock [d]	328	496	534	574	616	660	710
Industry	84	144	157	170	183	199	217
Ferrous metallurgy	8	15	17	18	19	21	22
Chemicals	4	12	13	15	16	17	19
Fuels and power	24	41	45	49	53	59	64
Machine building	17	28	30	33	36	39	43
Construction materials	5	9	10	11	11	12	13
Consumer goods	12	20	21	23	25	26	28
Other [e]	14	19	21	21	23	25	28
Construction industry	6	10	11	13	15	17	19
Agriculture [d]	44	62	66	71	76	80	87
Transport and communications	42	64	70	75	80	85	91
Housing	102	138	144	151	159	167	176
Services	50	78	86	94	103	112	120

[a] Value of stocks is estimated as of 1 July of the respective year.
[b] In 1955 prices.
[c] Preliminary.
[d] Including the value of basic herds and draft animals.
[e] Nonferrous metals, timber, woodworking, paper, and miscellaneous other branches of industry.

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Table 11

Estimated Drawings and Scheduled Repayments on Western Credits to the USSR [a]

Million US $

Year	Estimated Drawings	Scheduled Repayments	Interest	Net Credits	Outstanding at End of Year
1959	60	12	0	48	48
1960	125	37	2	86	136
1961	165	70	6	89	231
1962	180	106	10	64	305
1963	140	130	14	4	315
1964	170	147	15	8	338
1965	190	149	17	24	379
1966	275	149	20	106	505
1967	305	152	29	124	658
1968	435	206	38	191	887
1969	525	248	59	218	1,164
1970	730	291	69	370	1,603

[a] Estimates of drawings are based on data derived from contracts indicating delivery and credit terms and on Soviet imports of machinery and equipment. In general, early contracts (1959–64) involved 80%–85% credit and 5% interest. A large number of contracts since 1965 have involved 85% credit and 6% interest. Repayment periods for the earlier credits were usually three to five years following downpayment. Typical terms since 1965 have been eight years following delivery of equipment.

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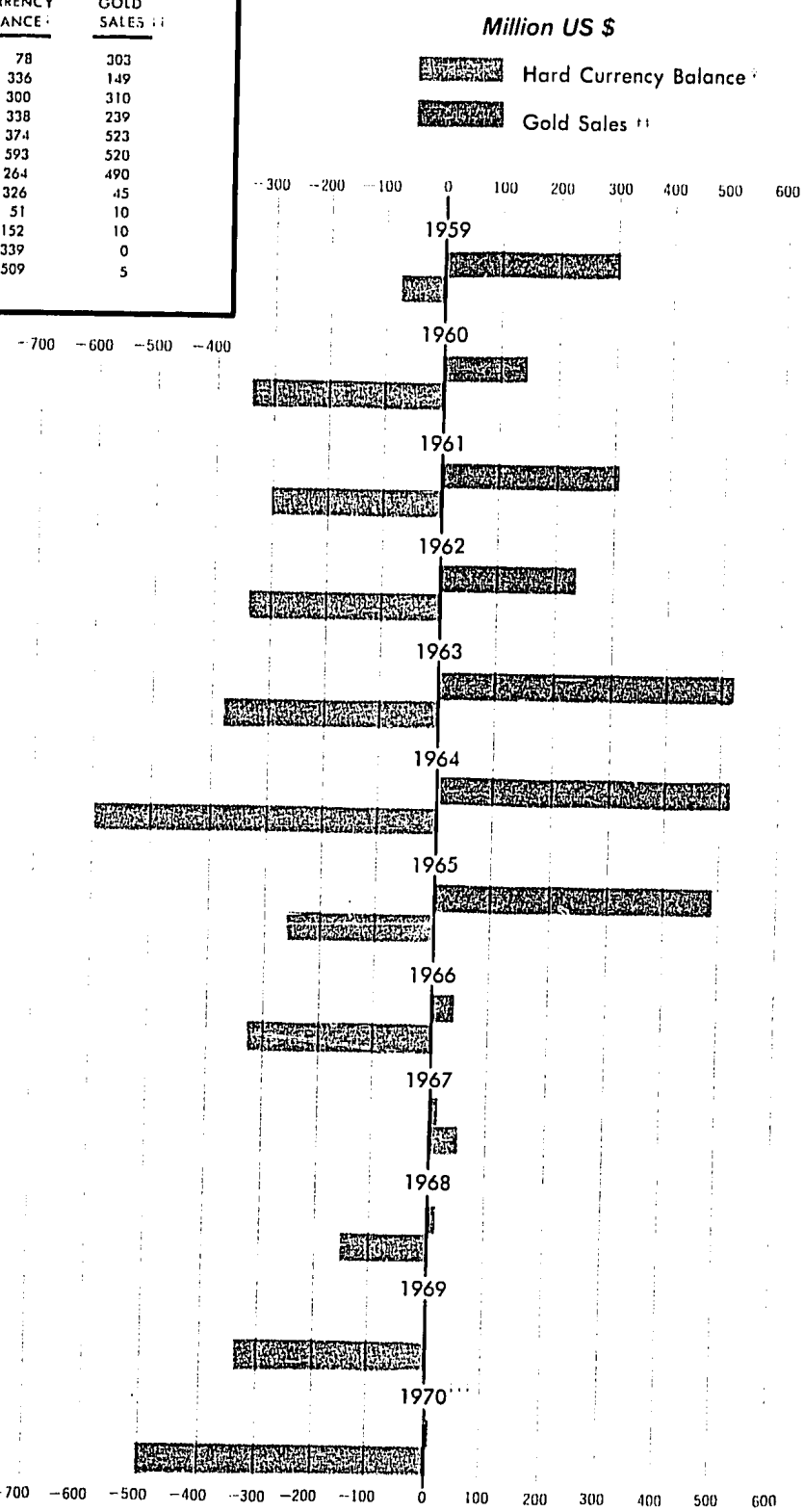
SOVIET HARD CURRENCY BALANCE OF PAYMENTS

	MILLION US $	
	HARD CURRENCY BALANCE†	GOLD SALES††
1959	78	303
1960	336	149
1961	300	310
1962	-338	239
1963	-374	523
1964	593	520
1965	264	490
1966	-326	45
1967	51	10
1968	152	10
1969	339	0
1970†††	509	5



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† Hard currency balance is primarily a trade balance.
†† Based on a value of $35 per troy ounce.
††† Preliminary.

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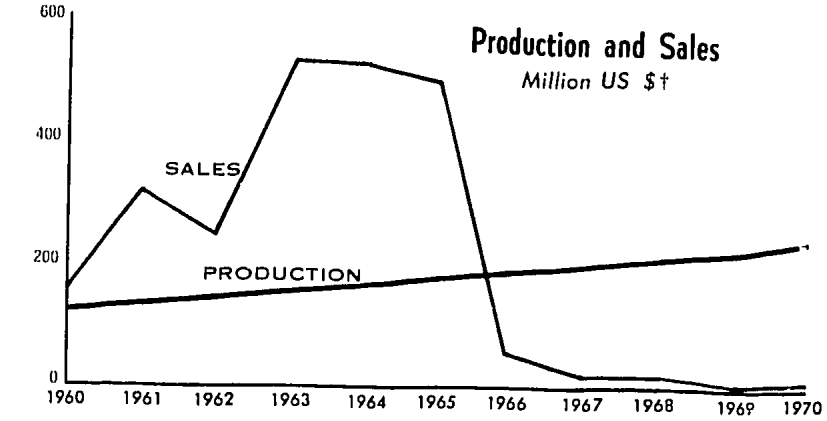
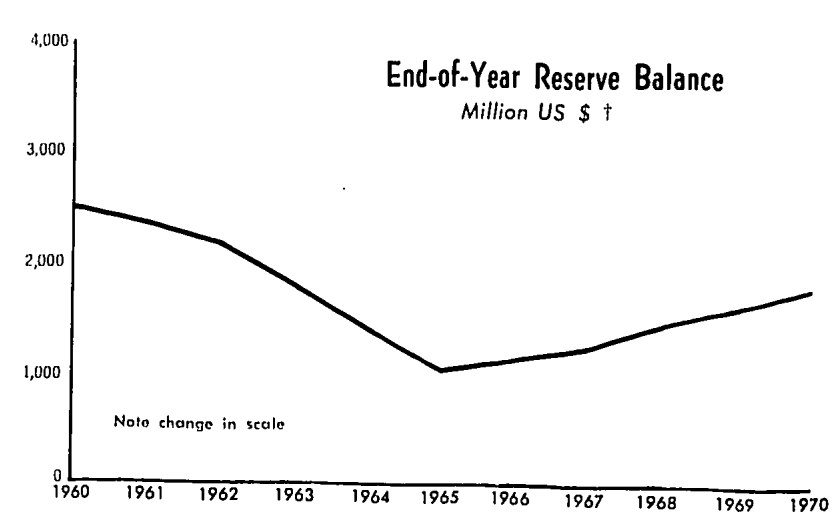
Figure 7

PRODUCTION, DISPOSITION, AND RESERVES OF GOLD IN THE USSR

MILLION US $ †

	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
PRODUCTION	124	133	143	153	164	176	188	198	207	218	232
NET CONSUMPTION	27	28	30	30	32	34	36	38	40	42	46
SALES	149	310	239	523	520	490	45	10	10	0	5
OTHER ADDITIONS AND WITHDRAWALS	0	0	0	0	0	0	0	10	0	0	0
CHANGE IN RESERVES	-52	-205	-126	-400	-388	-348	-107	+140	+157	+176	+181
END-OF-YEAR RESERVE BALANCE	2,475	2,270	2,144	1,744	1,356	1,008	1,115	1,255	1,412	1,588	1,769





† Based on a value of $35 per troy ounce.

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Table 12

Selected Economic Data for the US and the USSR

Product, Unit of Measure, and Country	1960	1965	1966	1967	1968	1969	1970
Gross national product (billion 1969 US $)							
United States	624.7*	791.1*	843.4*	864.8*	906.2*	931.4*	927.5*
USSR[a]	287.7	379.6	404.2	429.2	454.6	473.2	508.0
Index of industrial production (1960 = 100)							
United States	100*	132*	144*	145*	152*	159*	155*
USSR	100	140	151	162	172	183	195
Total population (midyear population in millions)							
United States	180.7*	194.2*	196.5*	198.6*	200.6*	202.6*	204.8*
USSR	214.3*	230.9*	233.5*	236.0*	238.3*	240.6*	242.8*
Electric power (gross) (billion kilowatt-hours)							
United States	894*	1,230*	1,328*	1,399*	1,526*	1,665*	1,765*
USSR	292*	507*	545*	588*	639*	689*	740*
Primary energy (million metric tons of coal equivalents[b])							
United States	1,429*	1,719*	1,814*	1,917*	1,978*	2,034*	2,133*
USSR	663*	942*	1,006*	1,063*	1,112*	1,168*	1,238*
Passenger automobiles (thousand units)							
United States[c]	6,675*	9,306*	8,598*	7,437*	8,822*	8,224*	6,547*
USSR	139*	201*	230*	251*	280*	294*	344*
Crude steel (million metric tons)							
United States	90.1*	119.3*	121.7*	115.4*	119.3*	128.2*	119.1*
USSR	65.3*	91.0*	96.9*	102.2*	106.5*	110.3*	115.8*
Grain (million metric tons)							
United States[d]	181*	183*	183*	206*	201*	203*	186*
USSR[e]	93*	100*	140*	122*	135*	128*	150*
Meat[f] (million metric tons)							
United States[g]	12.8*	14.3*	14.8*	15.5*	16.0*	16.0*	16.4*
USSR[h]	7.3*	8.8*	9.5*	10.1*	10.2*	9.9*	10.4*
Synthetic fibers (thousand metric tons)							
United States	307*	806*	938*	1,060*	1,457*	1,600*	1,626*
USSR	15*	77*	96*	116*	130*	142*	168*
Domestic transport performance (billion metric ton-kilometers)							
United States	2,370*	2,810*	2,970*	3,000*	3,110*	3,200*	3,240*
USSR	1,790*	2,420*	2,530*	2,710*	2,890*	3,030*	3,230*

* *An asterisk indicates that the data are unclassified.*

[a] Converted at US purchasing power equivalents.

[b] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

[c] Data are for factory sales and include complete units exported for assembly.

[d] Excluding corn silage and forage but including sorghum for grain.

[e] Including miscellaneous grains and pulses.

[f] Data are on a carcass weight, bone-in basis.

[g] Excluding slaughter fats, poultry, rabbit, and variety meats.

[h] Including slaughter fats, poultry, and edible offal.

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Table 13

Factors of Consumption for the US and the USSR

	1960	1965	1969	1970
Food				
Grain production [a] (million metric tons)				
United States [b]	181	183	203	186
USSR [c]	93	100	128	150
Meat production [d] (million metric tons)				
United States [e]	12.8	14.3	16.0	16.4
USSR [f]	7.3	8.8	9.9	10.4
Persons supplied per farm worker				
United States	25	35	44	46
USSR	5	5	6	6
Housing				
Housing construction (million square meters)				
United States	144	158	158	148
USSR	110	98	104	105
Per capita housing construction (square meters)				
United States	0.80	0.81	0.78	0.72
USSR	0.51	0.42	0.43	0.43
Transportation				
Passenger automobile production (thousand units)				
United States [g]	6,675	9,306	8,224	6,547
USSR	139	201	294	344
Passenger automobiles in use (thousand units)				
United States [h]	61,682	75,251	86,560	87,500
USSR [i j]	800	1,160	1,550	1,700
Communications				
Television receivers in use [j] (million units)				
United States	57	71	88	93
USSR	4.8	16	31	35
Radio receivers in use [j] (million units)				
United States	168	242	321	336
USSR	28	38	47	49
Household equipment				
Washing machine production (thousand units)				
United States	3,274	4,347	4,378	4,093
USSR	895	3,430	5,153	5,243
Washing machines in use [k] (units per thousand persons)				
United States [l]	236	255	278	284
USSR	13 [j]	59 [j]	106	123
Refrigerator production (thousand units)				
United States	3,475	4,930	5,600	6,100
USSR	529	1,675	3,701	4,140
Refrigerators in use [k] (units per thousand persons)				
United States [l]	279	292	305	309
USSR	10 [j]	29 [j]	58	71

[a] The data do not necessarily represent food available for consumption, because imports of foreign grain and exports of domestically produced grain are not included.

[b] Excluding corn silage and forage but including sorghum for grain.

[c] Including miscellaneous grains and pulses.

[d] Data are on a carcass weight, bone-in basis.

[e] Excluding slaughter fats, poultry, rabbit, and variety meats.

[f] Including slaughter fats, poultry, and edible offal.

[g] Data are for factory sales and include complete units exported for assembly.

[h] As of the end of the registration year.

[i] Based on data for production, imports, exports, and estimated retirements.

[j] As of the end of the year.

[k] Unless otherwise indicated, data are as of the beginning of the year.

[l] Data are understated because they are based on the number of households with one or more units; thus, a household with more than one is counted as having only one.

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Figure 8

Selected Indicators of Soviet Performance

		Average Annual Rates of Growth (Percent)		
		1961-65 Actual	1966-70 Actual	1971-75 Plan
MAJOR AGGREGATES	Gross National Product (factor costs)	5.2	5.6	5.8
	Industrial Production	7.0	6.8	8.0
	Agricultural Production	3.5	3.9	3.7
INVESTMENT	Total	6.3	7.2	6–7
RESOURCES ALLOCATED TO AGRICULTURE	Annual Investment	11	9.4	10
	Deliveries of Mineral Fertilizer	19	11	10
CONSUMER WELFARE	Consumption Per Capita	2.1	4.2	4.0
	Wages Per Worker	6.2	6.6	4.4
	Disposable Money Income Per Capita	6.3	7.0	5.9
AGRICULTURAL PRODUCTION	Grain	1.5	8.4	2.4
	Meat	3.6	3.4	5.7
INDUSTRIAL PRODUCTION	Crude Steel	6.9	4.9	4.7
	Primary Energy	6.9	5.3	5.0
	Crude Oil†	10	7.8	6.8
	Electric Power	12	7.9	7.2
	Natural Gas††	22	9.1	9.2
	Cement	9.7	5.6	5.5
	Mineral Fertilizers (Soviet statistical reporting units)	18	12	10
	Chemical Fibers	14	9	12
	Plastics	21	16	16

† Including production of natural gas liquids.
†† Including production of gas from coal and shale.

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Table 14

Soviet Economic Plan for 1971

Commodity	Production: Unit of Measure	Production: 1970 Actual	Production: 1971 Plan	Average Annual Rate of Growth [a] (Percent): 1966–70 Actual	1970: Revised Plan	1970: Actual	1971 Plan
Aggregative data							
Index of national income [b]	1965=100	145	154	7.7	6.0	8.5	6.1
Gross industrial production [c]	1965=100	150	160	8.4	6.3	8.3	6.9
Group A (producers' goods)	1965=100	151	161	8.6	6.1	8.2	6.7
Group B (consumer goods)	1965=100	149	160	8.3	6.8	8.5	7.4
Industrial labor productivity	1965=100	132	*N.A.*	5.7	5.2	7.0	*N.A.*
Fuels and power							
Electric power	Billion kilowatt-hours	740	790	7.9	7.4	7.4	6.8
Total coal [d]	Million metric tons	624	633	1.5	1.6	2.6	1.4
Crude oil [e]	Million metric tons	353	378	7.8	6.7	7.6	7.1
Natural gas [f]	Billion cubic meters	200	211	9.1	7.0	9.3	5.5
Metals							
Crude steel	Million metric tons	116	120	4.9	4.5	5.5	3.4
Pig iron	Million metric tons	85.9	*N.A.*	5.3	4.2	5.3	*N.A.*
Chemicals							
Mineral fertilizer (Soviet statistical reporting units)	Million metric tons	55.4	61.3	12	25	21	11
Plastics and synthetic resins	Thousand metric tons	1,672	1,800	16	12	15	7.7
Manufacturing and construction							
Passenger automobiles	Thousand units	344.3	513	11	19	17	49
Trucks and buses	Thousand units	571.8	601	6.6	4.2	3.9	5.1
Tractors	Thousand units	459	470	5.3	3.3	3.8	2.4
Television receivers	Million units	6.7	*N.A.*	13	13	1.3	*N.A.*
Rubber tires	Million units	34.6	*N.A.*	5.6	6.4	6.1	*N.A.*
Cement	Million metric tons	95.2	99	5.6	5.1	6.1	4.0

[a] The base year is the year prior to the stated period.

[b] The official Soviet measure is based on a Marxist concept of national income and differs significantly from the concept used in Western market economies. For example, the Soviet measure excludes the value of services and overstates the contribution of industry by including all indirect taxes.

[c] Official "gross" value series.

[d] Raw gross output.

[e] Including production of natural gas liquids.

[f] Including production of gas from coal and shale.

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Table 15

Defense Expenditures as a Percent of Gross National Product in Selected Free World Countries [a]

Percent

	1965	1966	1967	1968
Organization for Economic Cooperation and Development				
Austria	1.3	1.4	1.4	1.3
Belgium	3.0	2.9	2.9	2.9
Canada	3.2	3.0	3.2	2.7
Denmark	2.9	2.8	2.7	2.8
Finland	1.7	1.6	2.1	2.0
France	5.5	5.2	5.1	4.8
Greece	3.6	3.6	4.5	4.8
Ireland	1.2	1.3	1.2	0.9
Italy	3.4	3.5	3.2	3.0
Japan	0.9	1.0	0.9	0.8
Luxembourg	1.6	1.4	1.1	1.0
Netherlands	3.9	3.7	3.9	3.6
Norway	3.7	3.4	3.5	3.6
Portugal	6.3	5.9	7.2	7.2
Spain	2.6	3.1	3.5	3.6
Sweden	4.4	4.3	4.0	3.7
Switzerland	2.6	2.6	2.3	2.1
Turkey	5.2	4.7	4.8	4.9
United Kingdom	5.9	5.8	5.8	5.4
United States	7.6	8.4	9.5	9.3
West Germany [b]	4.4	4.1	4.4	4.0
Yugoslavia	4.5	4.5	4.1	5.6
Selected Less Developed Countries				
Burma	6.2	6.5	5.7	5.7
Cambodia	6.4	6.2	5.9	6.6
Iran	5.0	5.1	5.6	6.6
Iraq	10.3	9.3	12.0	11.7
Israel	12.2	10.5	14.6	16.6
Jordan	13.0	11.7	13.4	18.3
Laos	15.6	18.5	18.0	16.8
Saudi Arabia	8.6	12.1	17.1	17.4
South Vietnam	13.6	14.5	14.1	20.1
Syria	8.4	8.8	11.1	9.6
Taiwan	7.7	11.2	11.5	10.1
United Arab Republic	6.3	9.1	11.7	11.6

[a] United States Arms Control and Disarmament Agency, *World Military Expenditures, 1970*, December 1970, pp. 18-24, and based on the ratio of military expenditures to GNP at current market prices. Military expenditures are current and capital expenditures to meet the needs of the armed forces including: expenditures of national defense agencies for military programs; expenditures for the military components of such mixed activities as atomic energy, space, and research and development; military assistance to foreign countries; and expenditures on paramilitary forces where they contribute substantially to a country's military capabilities.

[b] Including data for West Berlin, for which separate data are not available.

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Table 16

Distribution of Defense and Space Expenditures,[a] by Major Mission, in the US and the USSR
1970

	US [b] (Fiscal Year)	USSR [c] (Calendar Year)	
	Billion 1968 US $	Billion 1968 US $	Billion 1968 Rubles
Strategic attack	3.9	7.5	3.1
Strategic defense	1.6	6.6	2.5
General purpose	25.6	18.7	6.0
RDTE&S [d]	12.1	15.6	7.8
Of which:			
Space	*5.2*	*7.0*	*3.5*
Other	29.5	18.6	5.1
Total	72.7	66.9	24.5

[a] To achieve as high a degree of comparability as possible, adjustments have been made to the basic data available for both the United States and the USSR. For example, the ruble data, by mission, shown here differ somewhat from the comparable data shown in the following table. All expenditures for research, development, test, and evaluation (RDT&E) activities associated with military programs as well as expenditures for both civilian and military space programs have been aggregated and are included under RDTE&S (RDTE and space programs). All expenditures for nuclear warheads have been aggregated and are included under "Other." All expenditures for military assistance and civil defense programs have been excluded.

[b] Planned total obligational authority (TOA). It should be noted that the pattern of expenditures shown for the United States is not representative of the pre-Vietnam period.

[c] These data for the USSR are reviewed and updated several times each year. Therefore, if they are to be used for more than general background purposes, the Office of Strategic Research should be consulted to insure that they represent the latest available information. The dollar valuations of Soviet expenditures are measures of Soviet programs computed on the basis of US factor costs and do not measure program costs as seen by Soviet planners.

[d] Expenditures for research, development, test, and evaluation for all military programs and nuclear energy programs as well as all expenditures for military and civilian space programs.

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Table 17

Estimated Soviet Expenditures for Defense and Space,[a] by Mission

Billion 1968 Rubles

	1960	1965	1966	1967	1968	1969	1970
Mission							
Strategic attack	2.5	2.7	3.3	3.6	3.3	3.4	3.6
Strategic defense	1.7	1.6	1.7	1.9	2.2	2.4	2.5
Ground [b]	3.3	3.6	3.7	3.8	3.9	4.1	4.0
Naval [c]	1.7	2.0	2.0	2.0	2.0	2.0	2.0
Military transport aviation	0.7	0.6	0.6	0.6	0.6	0.6	0.6
RDTE&S [d]	2.7	5.3	5.8	6.2	6.7	7.2	7.8
Command and general support [e]	3.1	3.5	3.6	3.7	3.9	3.9	3.9
Total military expenditures	**15.7**	**19.3**	**20.6**	**21.8**	**22.6**	**23.6**	**24.5**
Of which:							
Military machinery	8.6	11.8	12.8	13.7	14.3	15.1	15.9

[a] These data are reviewed and updated several times each year. Therefore, if they are to be used for more than general background purposes, the Office of Strategic Research should be consulted to insure that they represent the latest available information. The estimates conceptually include all outlays for personnel and other operating costs, procurement of all hardware used by the military establishment (including nuclear warheads), construction of facilities, military and nuclear research and development activities, and all space programs but exclude military assistance programs. Many of the funds required to cover these expenditures come from sources other than the budget category labeled "Defense" by the USSR. Most of the figures in the table are derived from detailed calculations of the estimated size and cost to deploy and operate individual program elements of the Soviet military establishment. These estimates are subject to considerable uncertainty and should not be considered as precise measures. Nevertheless, the estimates are as accurate and as comprehensive as the data available during 1970 permitted.

[b] Including expenditures for tactical aviation.

[c] Including expenditures for naval aviation.

[d] Expenditures for research, development, test, and evaluation for all military and nuclear energy programs as well as all expenditures for military and civilian space programs. These data include personnel costs for military personnel associated with RDTE&S programs. The estimates in this table are derived from analysis of published Soviet financial data and do not represent detailed calculations of the estimated magnitude and cost of individual programs.

[e] Expenditures for reserve training, militarized security forces, retirement pay, and paramilitary training, in addition to command and support for the active military establishment.

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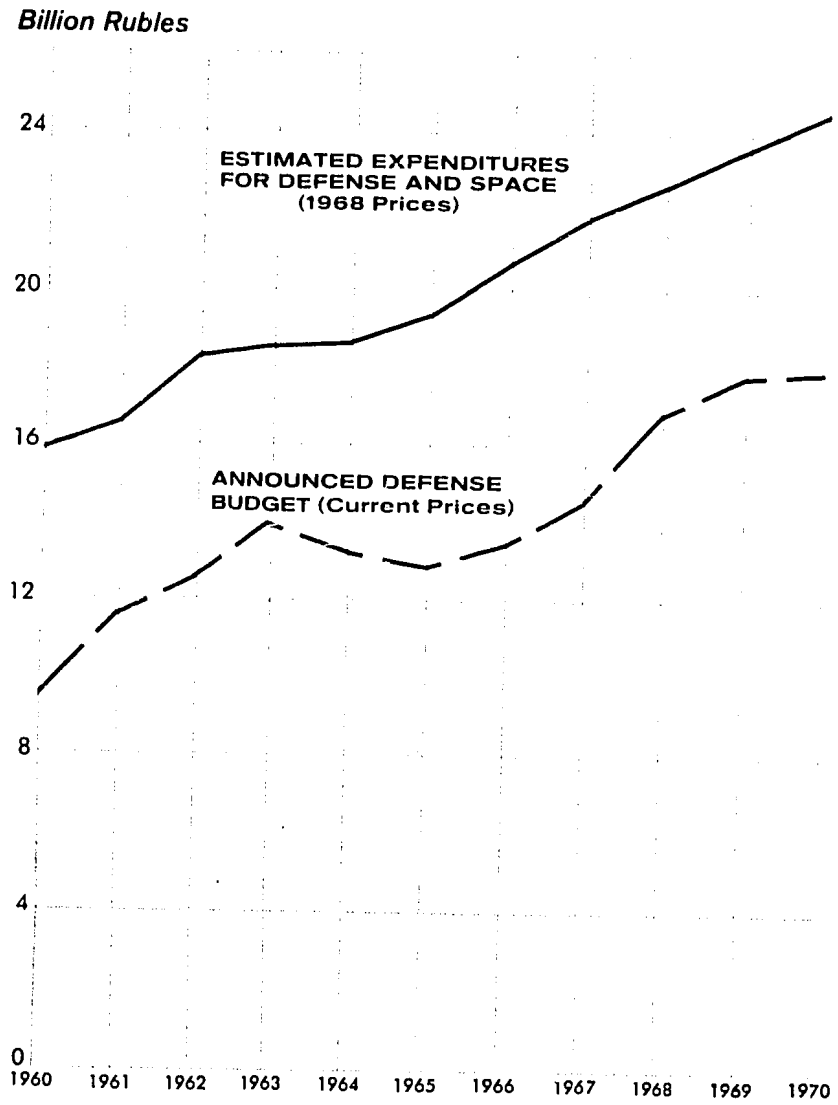
Figure 9

ESTIMATED SOVIET EXPENDITURES FOR DEFENSE AND SPACE

	BILLION RUBLES										
	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
ESTIMATED EXPENDITURES FOR DEFENSE AND SPACE (1968 prices)	15.7	16.6	18.2	18.5	18.6	19.3	20.6	21.8	22.6	23.6	24.5
ANNOUNCED DEFENSE BUDGET (current prices)	9.3	11.6	12.6	13.9	13.3	12.8	13.4	14.5	16.7	17.7	17.9



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MILITARY CAPACITIES OF SELECTED PORTS

Figure 10

Unloading Capacity in Metric Tons, Based on a 20-Hour Day

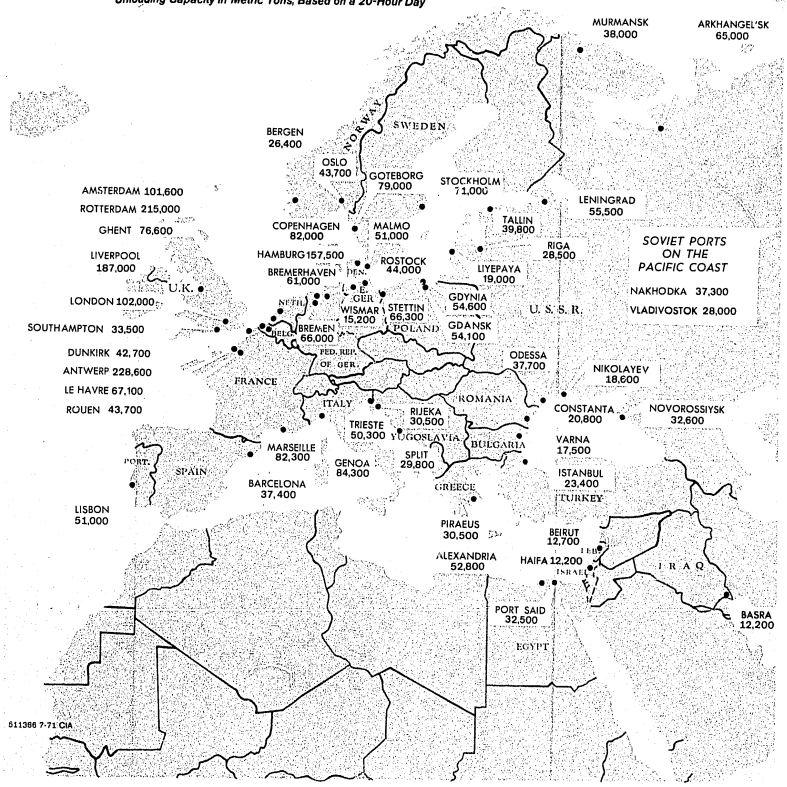

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Table 18

Estimated Soviet Expenditures for Defense and Space, by Category of Expenditures [a]

Billion 1968 Rubles

	1960	1965	1966	1967	1968	1969	1970
Investment	5.7	5.4	6.0	6.4	6.3	6.6	6.7
Procurement	5.1	5.0	5.5	5.8	5.9	6.0	6.2
Land armaments and ammunition	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Naval ships and boats	0.6	0.6	0.6	0.7	0.7	0.8	0.9
Aircraft	1.0	0.9	0.8	0.8	0.8	0.7	0.8
Missile systems	1.4	1.0	1.6	1.9	1.8	1.9	2.1
Electronic equipment	0.3	0.3	0.3	0.3	0.3	0.3	0.4
Nuclear weapons	0.7	1.2	1.2	1.1	1.1	1.1	1.0
Other	0.6	0.6	0.7	0.7	0.7	0.7	0.7
Facilities	0.6	0.4	0.5	0.6	0.5	0.5	0.6
Operating expenditures	7.6	8.9	9.0	9.4	9.8	10.1	10.2
Personnel	4.6	5.0	5.2	5.3	5.6	5.6	5.7
Operation and maintenance	2.9	3.8	3.9	4.0	4.2	4.4	4.6
RDTE&S [b]	2.5	5.0	5.6	6.0	6.4	7.0	7.5
Total	**15.7**	**19.3**	**20.6**	**21.8**	**22.6**	**23.6**	**24.5**

[a] These data are reviewed and updated several times each year. Therefore, if they are to be used for more than general background purposes, the Office of Strategic Research should be consulted to insure that they represent the latest available information. The estimates conceptually include all outlays for personnel and other operating costs, procurement of all hardware used by the military establishment (including nuclear warheads), construction of facilities, military and nuclear research and development activities, and all space programs but exclude military assistance programs. Many of the funds required to cover these expenditures come from sources other than the budget category labeled "Defense" by the USSR. Most of the figures in the table are derived from detailed calculations of the estimated size and cost to deploy and operate individual program elements of the Soviet military establishment. These estimates are subject to considerable uncertainty and should not be considered as precise measures. Nevertheless, the estimates are as accurate and as comprehensive as the data available during 1970 permitted.

[b] Excluding military personnel related costs and therefore differing slightly from the RDTE&S data shown in the preceding table.

Table 19

Production of Military Aircraft, by Type, in the United States and the Communist Countries [a]

Units

	Bombers [b]		Fighters [b]		Transports		Other [c]	
	1969	1970	1969	1970	1969	1970	1969	1970
United States [d]	7	42	1,025 [e]	916 [e]	44	37	2,995	2,508
Communist Countries [f]	**31**	**19**	**1,200**	**1,400**	**56**	**55**	**750**	**760**
USSR and Eastern Europe	**25**	**0**	**830**	**800**	**56**	**55**	**600**	**630**
USSR	25	0	830	800	56	55	280	310
Eastern Europe	**0**	**0**	**0**	**0**	**0**	**0**	**320**	**320**
Czechoslovakia	0	0	0	0	0	0	190	180
Poland	0	0	0	0	0	0	130	140
Far East	**6**	**19**	**360**	**550**	**0**	**0**	**150**	**130**
Communist China	6	19	360	550	0	0	150	130

[a] These are CIA estimates of production and differ somewhat from independent DIA estimates.

[b] Including reconnaissance aircraft.

[c] Data are for trainers, helicopters, and antisubmarine warfare, warning, utility, and reconnaissance aircraft.

[d] Data are official military acceptances.

[e] Including attack aircraft.

[f] Data are estimated and rounded to two significant digits.

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Table 20

Construction of Naval Ships, by Type, in the Communist Countries [a]

Units

	Class	1960	1965	1966	1967	1968	1969	1970
COMMUNIST COUNTRIES'								
USSR								
Submarines								
Attack								
Nuclear	N, C, V, or P	2	1	1	2	4	3	5
Diesel	F, Q, W, Z, or B	6	5	6	2	3	1	.....
Ballistic missile								
Nuclear	.....	3 [b]	.....	.....	1 [c]	5 [c]	5 [c]	8 [c]
Diesel	G	7	.....	.....	.....	.....	.....	.....
Cruise missile								
Nuclear	E-I and E-II	2	6	4	1	.....	.....	.....
Diesel	J	.....	2	2	2	2	.....	.....
Helicopter carrier	Moskva	.....	.....	.....	1	.....	1	.....
Destroyers								
Guided missile	Krivak, Kashin, Kildin, Kotlin, Krupnyy, Kynda, and Kresta.	3	4	3	4	5	4	3
Guided missile motorboats	Osa, Komar, and Nanuchka	40	20	20	18	18	20	11
Patrol craft	Mirka, Petya, Poti, SO-1, and Grisha	26	22	21	24	22	29	8
Patrol craft	MO-VI, P-6, P-10, Shershen, Pchela, and Stenka	35	13	18	18	14	16	18
Mine ships	Sasha, T-58, Vanya, Yurka, Alesha, and Zhenya	11	18	18	18	16	15	11
Auxiliaries	Don, Dnepr, EX-T-58, Lama, Prut, Uda, Ugra, and Luza.	3	4	3	3	2	3	2
Amphibious	Alligator, MP-8, MP-10, MP-SMB-1, and Vydra	33	6	3	14	28	22	10
East Germany								
Patrol craft	Forelle, Hai I, Hai II, Hai III, and Iltis	.....	19	18	.....	.....	.....	.....
Mine ships	Kondor	.....	.....	.....	1	1	10	6
Auxiliaries	Sura	.....	.....	.....	.....	.....	2	1
Poland								
Patrol craft	Gdansk, Oksywie, OP-301, Shershen, and Obluze	5	1	3	3	1	.....	4
Mine ships	Krogulec, T-43, and TR-40	11	1	2	5	.....	.....	.....
Auxiliaries	N. Zubov, Oskol, Samara, Moma, Amur, Kamenka, and Moskit.	.....	9	7	.....	4	7	12
Amphibious	Polnocny and Maribut	.....	14	16	17	10	11	3
Communist China								
Submarines	R and W	1	2 [d]	2	2	.....	3	6
Destroyer escort	Kiangnan	.....	.....	2	2	1	.....	.....
Guided missile motorboats	Osa, Komar, Hoku, and Hola	.....	3	3	1	2	3	15
Patrol craft	Hainan	.....	1	.....	1	1	2	1
Patrol craft	Torpedo boats (PT) and motor gunboats (PGM)	28	42	93	75	50	75	70
Mine ships	T-43	2	2	4	.....	1	2	2
Auxiliaries [e]	.....	.....	9	13	10	8	11	12
Amphibious craft	LCM	30	25	45	30	20	50	50
Amphibious ships	Yuling (LSM)	.....	.....	.....	.....	.....	.....	1

[a] These are CIA estimates of construction and differ somewhat from independent DIA estimates.
[b] H class.
[c] Y class.
[d] Including one G class.
[e] More than 150 feet.

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Table 21

Estimated and Projected Population

Million Persons at Midyear

	1960	1965	1969	1970	1971	1972	1973	1974	1975	1980	1985
NATO Countries	**476**	**507**	**528**	**534**	**539**	**545**	**551**	**557**	**563**	**596**	**633**
United States	180.7	194.2	202.6	204.8	207.1	209.3	211.9	214.4	217.0	231.9	248.6
Other NATO	**295.2**	**313.2**	**325.6**	**329.0**	**332.3**	**335.6**	**339.0**	**342.4**	**345.9**	**364.2**	**384.0**
Belgium	9.2	9.5	9.6	9.7	9.8	9.8	9.9	9.9	10.0	10.3	10.6
Canada	17.9	19.6	21.1	21.4	21.9	22.2	22.6	23.0	23.4	25.5	27.9
Denmark	4.6	4.8	4.9	4.9	5.0	5.0	5.0	5.1	5.1	5.3	5.5
France	45.7	48.8	50.4	50.8	51.2	51.6	52.0	52.5	52.9	55.1	57.4
West Germany	53.2	56.8	58.7	59.4	60.0	60.5	61.0	61.6	62.1	65.0	67.9
West Berlin	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	1.9
Greece	8.3	8.5	8.7	8.7	8.7	8.8	8.8	8.9	8.9	9.1	9.3
Iceland	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
Italy	49.6	51.6	53.2	53.6	54.0	54.4	54.8	55.2	55.6	57.8	60.0
Luxembourg	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4
Netherlands	11.5	12.3	12.9	13.0	13.2	13.3	13.5	13.6	13.8	14.5	15.4
Norway	3.6	3.7	3.9	3.9	3.9	4.0	4.0	4.0	4.1	4.2	4.4
Portugal	8.9	9.2	9.6	9.7	9.8	9.8	9.9	10.0	10.1	10.5	11.0
Turkey	27.5	31.2	34.5	35.4	36.3	37.2	38.2	39.2	40.2	45.7	51.7
United Kingdom	52.6	54.5	55.6	55.9	56.1	56.3	56.6	56.9	57.2	58.6	60.3
Communist Countries	**1,054**	**1,142**	**1,226**	**1,249**	**1,272**	**1,295**	**1,320**	**1,345**	**1,371**	**1,512**	**1,669**
USSR and Eastern Europe	**311**	**331**	**343**	**346**	**349**	**352**	**355**	**357**	**361**	**377**	**394**
USSR	214.3	230.9	240.6	242.8	245.0	247.3	249.5	251.8	254.2	266.6	280.2
Eastern Europe	**96.5**	**99.9**	**102.5**	**103.1**	**103.7**	**104.4**	**105.2**	**105.9**	**106.6**	**110.4**	**113.9**
Bulgaria	7.9	8.2	8.4	8.5	8.6	8.6	8.7	8.8	8.8	9.1	9.3
Czechoslovakia	13.7	14.2	14.4	14.5	14.5	14.6	14.7	14.7	14.8	15.1	15.3
East Germany	17.1	17.0	17.1	17.1	17.0	17.0	17.0	17.0	17.1	17.1	17.3
Hungary	10.0	10.1	10.3	10.3	10.4	10.4	10.5	10.5	10.5	10.7	10.8
Poland	29.6	31.3	32.3	32.5	32.7	33.0	33.4	33.7	34.0	35.8	37.5
Romania	18.4	19.0	20.0	20.3	20.5	20.7	20.9	21.2	21.4	22.6	23.7
Far East	**715**	**781**	**851**	**870**	**890**	**910**	**931**	**953**	**975**	**1,097**	**1,235**
Communist China	689	751	818	836	855	874	895	915	937	1,054	1,186
North Korea	10.6	12.2	13.8	14.2	14.6	15.0	15.4	15.8	16.3	18.8	21.8
North Vietnam	16.0	18.1	19.7	20.1	20.5	21.0	21.4	21.8	22.2	24.5	27.2
Other	**28.0**	**30.4**	**32.1**	**32.5**	**32.9**	**33.4**	**33.8**	**34.3**	**34.7**	**37.2**	**40.1**
Albania	1.6	1.9	2.1	2.1	2.2	2.2	2.3	2.4	2.4	2.8	3.3
Cuba	7.1	7.9	8.4	8.5	8.6	8.8	8.9	9.0	9.1	9.8	10.8
Mongolia	1.0	1.1	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.8	2.1
Yugoslavia	18.4	19.5	20.4	20.5	20.8	21.0	21.2	21.5	21.7	22.8	23.9

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Table 22

Labor Force[a] in the United States and Selected Communist Countries

Million Persons at Midyear

	1960	1965	1966	1967	1968	1969	1970
United States[b]	72.1	77.2	78.9	80.8	82.3	84.2	85.9
COMMUNIST COUNTRIES							
USSR and Eastern Europe	**159**	**168**	**170**	**172**	**174**	**176**	**177**
USSR[c]	110.6	117.9	119.5	120.9	122.3	123.4	124.2
Eastern Europe	**48.1**	**50.0**	**50.7**	**51.3**	**51.9**	**52.4**	**52.9**
Bulgaria	4.19	4.26	4.30	4.34	4.35	4.37	4.39
Czechoslovakia	6.40	6.86	6.94	7.02	7.09	7.16	7.22
East Germany	8.53	8.37	8.38	8.41	8.40	8.40	8.42
Hungary	4.87	4.99	5.05	5.09	5.12	5.16	5.19
Poland	14.13	15.31	15.68	16.01	16.30	16.61	16.78
Romania	9.99	10.26	10.38	10.45	10.61	10.74	10.87
Far East							
Communist China[d]	307	328	335	*N.A.*	*N.A.*	*N.A.*	*N.A.*
North Korea[d]	4.6	5.3	5.4	5.5	5.6	5.7	5.9
North Vietnam[d]	8.2	9.4	9.5	9.6	9.6	9.6	9.7
Other							
Albania	0.73	0.82	0.84	0.86	0.89	0.91	0.97
Yugoslavia	8.30	8.93	9.05	9.18	9.33	9.47	9.60

[a] Unless otherwise indicated, data include the armed forces and the unemployed.
[b] Annual averages of monthly data.
[c] Excluding militarized security forces.
[d] Excluding the armed forces.

Table 23

Nonagricultural Labor Force[a] in the United States and Selected Communist Countries

Million Persons at Midyear

	1960	1965	1966	1967	1968	1969	1970
United States[b]	60.3	66.7	68.9	70.5	72.1	74.3	75.2
COMMUNIST COUNTRIES							
USSR and Eastern Europe	**91.6**	**107**	**110**	**113**	**116**	**120**	**122**
USSR[c]	64.0	75.5	77.8	80.2	82.6	84.9	86.7
Eastern Europe	**27.6**	**31.6**	**32.4**	**33.1**	**33.9**	**34.7**	**35.4**
Bulgaria	1.96	2.34	2.42	2.50	2.58	2.67	2.74
Czechoslovakia	4.72	5.39	5.48	5.58	5.68	5.76	5.85
East Germany	6.93	7.02	7.06	7.12	7.15	7.18	7.21
Hungary	3.04	3.47	3.53	3.57	3.61	3.66	3.71
Poland	7.47	9.04	9.37	9.74	10.08	10.44	10.64
Romania	3.43	4.31	4.49	4.63	4.80	4.98	5.21
Far East							
Communist China[d]	53	47	48	*N.A.*	*N.A.*	*N.A.*	*N.A.*
North Korea[d]	2.1	2.6	2.7	2.8	2.8	2.9	3.0
North Vietnam[d]	1.8	2.4	2.5	2.7	2.8	2.8	2.9
Other							
Albania	0.22	0.28	0.29	0.32	0.34	0.36	0.38
Yugoslavia	3.50	4.23	4.38	4.53	4.70	4.86	5.03

[a] Unless otherwise indicated, data include the armed forces.
[b] Civilian employment. The data are annual averages of monthly data that exclude the armed forces.
[c] Excluding militarized security forces.
[d] Excluding the armed forces.

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Table 24

Agricultural Labor Force[a] in the United States and Selected Communist Countries

Million Persons at Midyear

	1960	1965	1966	1967	1968	1969	1970
United States[b]	5.46	4.36	3.98	3.84	3.82	3.61	3.46
COMMUNIST COUNTRIES							
USSR and Eastern Europe	**67.2**	**60.8**	**60.0**	**58.9**	**57.7**	**56.3**	**55.0**
USSR[c]	46.6	42.3	41.6	40.7	39.7	38.5	37.5
Eastern Europe	**20.6**	**18.5**	**18.4**	**18.2**	**18.0**	**17.8**	**17.5**
Bulgaria	2.24	1.93	1.88	1.84	1.76	1.71	1.65
Czechoslovakia	1.68	1.47	1.46	1.44	1.41	1.40	1.37
East Germany	1.60	1.35	1.32	1.29	1.25	1.22	1.20
Hungary	1.83	1.52	1.52	1.51	1.51	1.50	1.48
Poland	6.66	6.27	6.32	6.27	6.22	6.18	6.13
Romania	6.56	5.95	5.90	5.82	5.82	5.76	5.66
Far East							
Communist China	254	281	287	*N.A.*	*N.A.*	*N.A.*	*N.A.*
North Korea	2.5	2.7	2.7	2.7	2.8	2.8	2.8
North Vietnam	6.4	7.0	7.0	6.9	6.8	6.8	6.8
Other							
Albania	0.51	0.54	0.55	0.55	0.55	0.55	0.59
Yugoslavia	4.80	4.70	4.67	4.65	4.63	4.60	4.57

[a] Excluding the armed forces.

[b] Annual averages of monthly data. Data are for civilian employment and differ from those presented in Figure 21. Data in Figure 21 are for farm employment and include farm operators doing one or more hours of farm work and members of their familes working 15 hours or more during the survey week without cash wages. Data in Figure 21 are based on a survey of farm payrolls conducted by the US Departmen. of Agriculture. Data for the agricultural labor force are based on a household survey of the entire population conducted by the US Bureau of the Census. Data in Figure 21 are a more comprehensive count of agricultural employment and are considered to be more comparable to data presented for the USSR, whereas data in this table are considered to be more comparable to data presented for the Communist countries as a whole.

[c] Excluding militarized security forces.

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Table 25

United States: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969	1970
Aggregative data								
Gross national product	Billion 1969 US $	625	791	843	865	906	931	928
Index of industrial production	1960=100	100	132	144	145	152	159	155
Total population (midyear)	Million persons	181	194	196	199	201	203	205
Labor force [a]	Million persons	72.1	77.2	78.9	80.8	82.3	84.2	85.9
Fuels and power								
Primary energy (coal equivalents [b])	Billion metric tons	1.43	1.72	1.81	1.92	1.98	2.03	2.13
Electric power (gross)	Trillion kilowatt-hours	0.89	1.23	1.33	1.40	1.53	1.67	1.76
Crude oil	Million metric tons	348	385	409	435	450	456	475
Minerals and metals								
Crude steel [c]	Million metric tons	90.1	119	122	115	119	128	119
Rolled steel	Million metric tons	69.4	90.1	90.0	84.4	89.9	85.2	N.A.
Refined copper [d]	Million metric tons	1.64	1.96	2.00	1.40	1.68	2.03	2.06
Primary aluminum	Million metric tons	1.83	2.50	2.69	2.97	2.95	3.44	3.61
Agriculture								
Grain [e]	Million metric tons	181	183	183	206	201	203	186
Meat [f]	Million metric tons	12.8	14.3	14.8	15.5	16.0	16.0	16.4
Manufactured items								
Sulfuric acid (100%)	Million metric tons	16.2	22.5	25.8	26.1	25.9	26.8	26.4
Mineral fertilizer (nutrients) [g]	Million metric tons	7.41	11.9	13.1	14.1	14.2	14.5	15.1
Cotton fabrics	Billion linear meters	8.56	8.47	8.11	7.56	6.77	6.55	5.90
Rayon and acetate fabrics	Billion linear meters	1.31	1.65	1.55	1.53	1.67	1.54	1.33
Metalcutting machine tools	Thousand units	4[illegible].9	68.0	80.7	86.0	70.5	65.2	49.6
Cement	Million metric tons	56.1	65.1	67.1	64.4	68.8	69.6	67.7
Passenger automobiles [h]	Million units	6.67	9.31	8.60	7.44	8.82	8.22	6.55
Semiconductors [i]	Billion units	0.31	1.52	2.19	2.07	2.43	3.12	2.66
Radio receivers	Million units	18.0	25.7	25.3	23.2	24.5	22.4	17.8
Television receivers	Million units	5.83	11.0	12.4	10.9	11.8	11.3	9.48
Trade								
Imports (f.o.b.)	Billion US $	15.0	21.4	25.5	26.8	33.2	36.0	40.0
Exports (f.o.b.) [j]	Billion US $	20.4	27.1	29.9	31.1	34.2	37.5	42.6

[a] Including the armed forces and the unemployed. Data are annual averages of monthly data.
[b] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.
[c] Excluding steel for castings made in foundries operated by companies not producing ingots.
[d] Including production from secondary plants and copper refined by manufacturers for their own use.
[e] Data are for barley, corn (excluding silage and forage), oats, rice, rye, sorghum for grain, and wheat.
[f] Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutton, lamb, and goat.
[g] Data are for "fertilizer years" beginning 1 July of the stated year.
[h] Factory sales.
[i] Semiconductor diodes, rectifiers, and transistors.
[j] Including military grant-aid but excluding reexports.

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Table 26

European NATO: Summary of Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969	1970
Aggregative data								
Gross national product [a b]	Billion 1969 US $	460	590	610	630	660	700	730
Total population (midyear) [b]	Million persons	277	294	297	299	302	304	308
Fuels and power								
Primary energy (coal equivalents [c])	Million metric tons	578	603	588	576	584	590	601
Electric power (gross)	Billion kilowatt-hours	463	674	706	742	805	875	928
Hard coal	Million metric tons	436	414	388	365	348	330	315
Brown coal and lignite	Million metric tons	106	116	112	112	117	124	124
Crude oil	Million metric tons	12.0	17.1	17.0	17.5	17.5	17.6	16.9
Minerals and metals								
Crude steel [d]	Million metric tons	98.6	115	112	116	127	137	140
Pig iron	Million metric tons	70.9	82.2	79.1	82.8	90.5	97.9	99.5
Iron ore [d]	Million metric tons	110	94.9	88.1	81.5	89.3	86.7	87.1
Refined copper [d]	Million metric tons	0.83	0.93	0.91	0.91	1.02	0.98	1.04
Primary aluminum [d]	Million metric tons	0.69	1.01	1.10	1.14	1.27	1.32	1.41
Agriculture								
Grain [e]	Million metric tons	82.9	96.5	95.2	108	107	108	105
Potatoes	Million metric tons	63.6	50.1	50.2	55.1	52.0	46.7	49.2
Meat [f]	Million metric tons	10.8	12.5	12.7	12.7	13.2	13.2	13.8
Cattle (beginning of year) [g]	Million head	78.0	81.1	83.2	84.7	85.3	86.4	85.4
Manufactured items								
Sulfuric acid (100%) [d]	Million metric tons	13.3	16.5	16.8	17.3 [h]	19.0	19.8	20.3
Mineral fertilizer (nutrients) [i]	Million metric tons	10.8	14.0	14.4	15.1	15.8	N.A.	N.A.
Cement [d]	Million metric tons	82.7	115	120	124	131	139	147
Tractors	Thousand units	403	436	433	408	423	422	442
Passenger automobiles [d]	Million units	4.92	7.13	7.68	7.25	8.22	9.00	9.70
Radio receivers	Million units	11.4	11.0	11.6	10.8	13.4	15.1	N.A.
Television receivers	Million units	6.20	7.28	6.78	6.12	8.05	8.39	N.A.
Transportation								
Railroad freight traffic	Billion ton-kilometers	174	183	181	177	184	199	208

[a] Converted at US purchasing power equivalents.
[b] Including data for West Berlin.
[c] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.
[d] Including data for West Berlin beginning in 1965.
[e] Data are for barley, corn, oats, rice, rye, and wheat where they are produced.
[f] Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutton, lamb, goat, and horsemeat where they are produced.
[g] Including data for the Faeroe Islands and Greenland.
[h] Excluding data for Greece.
[i] Data are for "fertilizer years"—in general, beginning 1 July of the stated year.

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Table 27

France: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969	1970
Aggregative data								
Gross national product[a]	Billion 1969 US $	98.0	130	138	144	151	163	173
Index of industrial production	1960 = 100	100	128	137	142	148	167	176
Total population (midyear)	Million persons	45.7	48.8	49.2	49.6	49.9	50.4	50.8
Fuels and power								
Primary energy (coal equivalents[b])	Million metric tons	86.2	90.0	92.1	87.0	84.6	86.2	85.4
Electric power (gross)	Billion kilowatt-hours	75.0	106	110	116	123	137	146
Crude oil	Million metric tons	1.98	2.99	2.93	2.83	2.69	2.50	2.30
Minerals and metals								
Crude steel	Million metric tons	17.3	19.6	19.6	19.7	20.4	22.5	23.8
Rolled steel	Million metric tons	13.7	15.7	15.8	15.8	16.4	18.0	N.A.
Refined copper	Thousand metric tons	40.2	41.1	42.7	37.0	36.5	37.0	33.5
Primary aluminum	Thousand metric tons	238	340	364	361	366	372	382
Agriculture								
Grain[c]	Million metric tons	22.8	28.6	26.1	31.0	32.3	32.4	30.8
Meat[d]	Million metric tons	2.61	3.24	3.20	2.98	3.07	2.93	2.99
Manufactured items								
Sulfuric acid (100%)	Million metric tons	2.05	2.92	3.07	3.23	3.35	3.53	4.42
Mineral fertilizer (nutrients)[e]	Million metric tons	3.02	4.16	4.39	4.34	4.47	N.A.	N.A.
Synthetic fibers	Thousand metric tons	45.3	87.1	109	110	132	156	175
Cement	Million metric tons	14.3	22.4	23.4	24.8	25.6	27.7	29.0
Passenger automobiles	Million units	1.14	1.37	1.76	1.75	1.83	2.14	2.46
Radio receivers	Million units	2.21	2.30	2.40	2.26	2.60	2.84	N.A.
Television receivers	Million units	0.66	1.25	1.35	1.30	1.46	1.42	N.A.
Trade								
Imports (c.i.f.)	Billion US $	6.28	10.3	11.8	12.4	13.9	17.4	19.1
Exports (f.o.b.)	Billion US $	6.86	10.1	10.9	11.4	12.7	15.0	17.9

[a] Converted at US purchasing power equivalents.
[b] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.
[c] Data are for barley, corn, oats, rice, rye, and wheat.
[d] Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutton, lamb, goat, and horsemeat.
[e] Data are for "fertilizer years" beginning 1 July of the stated year.

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Table 28

Italy: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969	1970
Aggregative data								
Gross national product [a]	Billion 1969 US $	59.7	77.2	81.8	87.0	92.0	98.4	103
Index of industrial production	1960 = 100	100	140	156	169	180	185	198
Total population (midyear)	Million persons	49.6	51.6	52.0	52.4	52.8	53.2	53.6
Fuels and power								
Primary energy (coal equivalents [b])	Million metric tons	37.7	41.2	43.1	42.9	44.0	47.2	50.5
Electric power (gross)	Billion kilowatt-hours	56.2	83.0	90.0	96.8	104	110	118
Crude oil	Million metric tons	2.00	2.21	1.76	1.61	1.50	1.52	1.40
Minerals and metals								
Crude steel	Million metric tons	8.23	12.7	13.6	15.9	17.0	16.4	17.2
Rolled steel	Million metric tons	7.78	10.6	11.3	12.8	14.1	14.4	N.A.
Refined copper	Thousand metric tons	15.6	12.7	16.9	17.5	18.0	16.5	13.3
Primary aluminum	Thousand metric tons	83.6	124	128	128	142	145	146
Agriculture								
Grain [c]	Million metric tons	12.0	14.5	14.4	15.1	15.0	15.8	16.2
Meat [d]	Million metric tons	1.10	1.08	1.16	1.24	1.29	1.36	1.31
Manufactured items								
Sulfuric acid (100%)	Million metric tons	2.30	2.98	3.37	3.52	3.49	3.46	3.40
Mineral fertilizer (nutrients) [e]	Million metric tons	1.11	1.59	1.64	1.81	1.83	N.A.	N.A.
Synthetic fibers	Thousand metric tons	33.7	111	144	153	195	237	242
Cement	Million metric tons	16.0	20.7	22.4	26.3	29.5	31.3	33.1
Passenger automobiles [f]	Million units	0.60	1.10	1.28	1.44	1.54	1.48	1.72
Radio receivers	Million units	0.94	1.20	1.58	1.58	2.75	3.38	N.A.
Television receivers	Million units	0.73	1.04	1.24	1.12	1.50	1.65	N.A.
Trade								
Imports (c.i.f.)	Billion US $	4.72	7.38	8.59	9.83	10.3	12.4	14.9
Exports (f.o.b.)	Billion US $	3.65	7.20	8.04	8.70	10.2	11.7	13.2

[a] Converted at US purchasing power equivalents.
[b] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.
[c] Data are for barley, corn, oats, rice, rye, and wheat.
[d] Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutton, lamb, goat, and horsemeat.
[e] Data are for "fertilizer years" beginning 1 July of the stated year.
[f] Excluding production for the armed forces.

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Table 31

India: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969	1970
Aggregative data								
Gross national product [a b]	Billion 1969 US $	32.2	36.8	37.4	40.8	41.8	44.0	46.7
Index of industrial production	1960=100	100	154	152	151	161	172	180
Total population (midyear)	Million persons	433	487	499	511	524	537	550
Fuels and power								
Electric power (gross) [b]	Billion kilowatt-hours	20.1	36.8	40.5	45.3	51.5	56.2	61.8
Hard coal	Million metric tons	52.6	67.2	68.0	68.2	70.8	74.7	71.9
Crude oil	Million metric tons	0.45	3.02	4.65	5.66	5.87	6.72	6.80
Minerals and metals								
Crude steel [c]	Million metric tons	3.29	6.41	6.60	6.38	6.44	6.49	5.86
Pig iron	Million metric tons	4.28	7.12	7.20	7.02	7.25	7.50	6.83
Iron ore	Million metric tons	16.6	23.7	26.8	25.8	27.4	28.9	29.4
Manganese ore	Million metric tons	1.20	1.65	1.68	1.59	1.60	1.60	1.54
Refined copper	Thousand metric tons	8.9	9.4	9.4	8.9	9.3	9.8	9.3
Primary aluminum	Thousand metric tons	18	62	65	96	120	133	161
Agriculture								
Wheat	Million metric tons	10.3	12.3	10.4	11.4	16.5	18.7	20.1
Rice (rough, or paddy) [d]	Million metric tons	51.3	46.0	45.7	59.3	59.7	60.6	63.0
Sugar (raw value)	Million metric tons	2.81	3.49	3.63	2.36	2.38	4.19	N.A.
Ginned cotton	Million metric tons	1.01	1.00	1.00	1.15	1.07	1.11	1.02
Manufactured items								
Sulfuric acid (100%)	Million metric tons	0.35	0.68	0.69	0.80	0.98	1.12	1.05
Cotton fabrics [e]	Billion linear meters	6.63	7.64	7.34	7.28	7.90	7.57	7.66
Woolen fabrics [f]	Million linear meters	8	10	9	9	12	13	13
Cement	Million metric tons	7.84	10.6	11.1	11.3	11.9	13.6	13.9
Passenger automobiles (civilian)	Thousand units	24.6	35.3	37.4	38.9	44.6	43.1	44.0
Trade								
Imports (c.i.f.)	Billion US $	2.33	2.92	2.83	2.81	2.51	2.20	2.15
Exports (f.o.b.)	Billion US $	1.33	1.69	1.64	1.61	1.75	1.83	1.96

[a] Data are at factor cost and are converted at the par value exchange rate of 7.5 rupees to US $1.
[b] Data are for the year beginning 1 April of the stated year.
[c] Beginning in 1965, ingots only.
[d] Estimated from planted acreage.
[e] Mill and decentralized sector production.
[f] Wearable fabrics produced in the mill sector only.

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Table 33

USSR: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969	1970
Aggregative data			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Gross national product [a]	Billion 1969 US $	288	380	404	429	455	473	508
Index of industrial production	1960 = 100	100	140	151	162	172	183	195
Total population (midyear)	Million persons	214*	231*	234*	236*	238*	241*	243*
Labor force (midyear) [b]	Million persons	111*	118*	120*	121*	122*	123*	124*
Fuels and power								
Primary energy (coal equivalents [c])	Billion metric tons	0.66*	0.94*	1.01*	1.06*	1.11*	1.17*	1.24*
Electric power (gross)	Billion kilowatt-hours	292*	507*	545*	588*	639*	689*	740*
Hard coal	Million metric tons	356*	398*	407*	414*	416*	426*	441*
Crude oil	Million metric tons	148*	243*	265*	288*	309*	328*	353*
Natural gas [d]	Billion cubic meters	45.3*	128*	143*	157*	169*	181*	198*
Minerals and metals								
Crude steel	Million metric tons	65.3*	91.0*	96.9*	102*	107*	110*	116*
Rolled steel	Million metric tons	51.0*	70.9*	76.6*	81.7*	85.3*	87.5*	92.4*
Pig iron	Million metric tons	46.8*	66.2*	70.3*	74.8*	78.8*	81.6*	85.9*
Iron ore	Million metric tons	106*	153*	160*	168*	177*	186*	196*
Refined copper	Million metric tons	0.49*	0.77*	0.83*	0.92*	0.99*	1.05*	1.10*
Primary aluminum	Million metric tons	0.63	1.00	1.16	1.30	1.48	1.60	1.72
Lead	Thousand metric tons	324*	433*	463*	495*	528*	563*	597*
Agriculture								
Grain [e]	Million metric tons	93.0*	100*	140*	122*	135*	128*	150*
Meat [f]	Million metric tons	7.30*	8.80*	9.50*	10.1*	10.2*	9.90*	10.4*
Milk	Million metric tons	55.5*	68.2*	71.4*	75.1*	77.4*	76.6*	77.9*
Fish catch	Million metric tons	3.54*	5.77*	6.09*	6.54*	6.78*	7.09*	7.70*
Cattle (beginning of year)	Million head	74.2*	87.2*	93.4*	97.1*	97.2*	95.7*	95.2*
Manufactured items								
Sulfuric acid (100%)	Million metric tons	5.40*	8.52*	9.37*	9.74*	10.2*	10.7*	12.1*
Mineral fertilizer (nutrients)	Million metric tons	3.28*	7.39*	8.44*	9.41*	10.2*	10.8*	13.1*
Metalcutting machine tools	Thousand units	156*	186*	192*	197*	201*	205*	201*
Tractors	Thousand units	238*	354*	382*	405*	423*	442*	459*
Cement	Million metric tons	45.5*	72.4*	80.0*	84.8*	87.5*	89.7*	95.2*
Passenger automobiles	Thousand units	139*	201*	230*	251*	280*	294*	344*
Transportation and trade								
Railroad freight traffic	Trillion ton-kilometers	1.50*	1.95*	2.02*	2.16*	2.27*	2.37*	2.49*
Motor vehicle freight traffic	Billion ton-kilometers	98.5*	143*	155*	170*	187*	200*	218*
Imports (f.o.b.)	Billion US $	5.63*	8.06*	7.91*	8.54*	9.41*	10.3*	11.7*
Exports (f.o.b.)	Billion US $	5.56*	8.17*	8.84*	9.65*	10.6*	11.7*	12.8*

* *An asterisk indicates that the data are unclassified.*

[a] Converted at US purchasing power equivalents.

[b] Data include the armed forces and the unemployed but exclude militarized security forces.

[c] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

[d] Gross production less losses and waste. Data include only gas from natural gas wells and associated gas from petroleum fields.

[e] Data are for barley, corn, oats, rice, rye, wheat, and miscellaneous grains including pulses.

[f] Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutton, lamb, goat, poultry, edible offal, and slaughter fats.

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Table 34

Eastern Europe: Summary of Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969	1970
Aggregative data								
Gross national product [a]	Billion 1969 US $		206	6.2	[illegible]	[illegible]	[illegible]	[illegible]
Total population (midyear)	Million persons	107*	129*	137*	143*	149*	155*	162*
Fuels and power		96.5*	99.9*	100*	101*	102*	102*	103*
Primary energy (coal equivalents [b])	Million metric tons	275	329*	334	335	348	366	379
Electric power (gross)	Billion kilowatt-hours	114*	170*	185*	200*	217*	231*	247*
Hard coal	Million metric tons	140*	158*	160*	161*	166*	174*	179*
Brown coal and lignite	Million metric tons	335*	403*	404*	394*	409*	426*	440
Crude oil	Million metric tons	13.2*	15.2*	15.6	16.2	16.4	16.1	16.4
Minerals and metals								
Crude steel	Million metric tons	21.2*	28.7*	30.6*	33.3*	35.6*	37.4*	40.1*
Pig iron	Million metric tons	13.4*	17.9*	19.1*	20.8*	21.7*	22.2*	23.5*
Iron ore	Million metric tons	9.34*	12.0*	13.0*	12.7*	12.1*	12.2*	11.8*
Refined copper	Thousand metric tons	101	141	147	158	167	181	204
Primary aluminum	Thousand metric tons	163*	206	267	319	351	374	394
Agriculture								
Grain [c]	Million metric tons	48.3*	53.1*	55.6*	57.8*	59.4*	61.8*	54.8*
Potatoes	Million metric tons	63.9*	63.2*	70.7*	73.3*	74.9*	63.1*	69.8
Meat [d]	Million metric tons	3.38	4.04	4.14	4.29	4.55	4.52	4.47
Cattle (beginning of year)	Million head	25.2*	26.6*	26.9*	27.9*	28.3*	28.4*	27.9*
Manufactured items								
Sulfuric acid (100%)	Million metric tons	2.50*	4.23*	4.48*	4.70*	5.08*	5.47*	6.10*
Mineral fertilizer (nutrients)	Million metric tons	3.23*	4.63*	5.05*	5.66*	6.39*	7.04*	7.65*
Cement	Million metric tons	22.9*	31.8*	34.0*	37.1*	39.0*	39.8*	N.A.
Tractors	Thousand units	69.0*	87.5*	90.0*	94.1*	102*	110*	118*
Passenger automobiles	Thousand units	134*	211*	233*	258*	292*	330*	361*
Radio receivers	Million units	2.20*	2.36*	2.53*	2.53*	2.68*	2.76*	N.A.
Television receivers	Million units	0.99*	1.70*	1.70*	1.81*	1.96*	2.08*	N.A.
Transportation								
Railroad freight traffic	Billion ton-kilometers	187*	236*	246*	250*	259*	266*	279*

* *An asterisk indicates that the data are unclassified.*

[a] Converted at US purchasing power equivalents.

[b] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

[c] Data are for barley, corn, oats, rice, rye, and wheat where they are produced.

[d] Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutton, lamb, goat, and horsemeat where they are produced.

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Table 35

Bulgaria: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969	1970
Aggregative data								
Gross national product [a]	Billion 1969 US $	5.8*	7.8*	8.5*	9.0*	9.6*	10.3*	11.1*
Index of industrial production	1960 = 100	100*	173*	194*	220*	246*	271*	296*
Total population (midyear)	Million persons	7.9*	8.2*	8.3*	8.3*	8.4*	8.4*	8.5*
Labor force (midyear) [b]	Million persons	4.19*	4.26*	4.30*	4.34*	4.35*	4.37*	4.39*
Fuels and power								
Primary energy (coal equivalents [c])	Million metric tons	7.7*	9.4*	9.6*	10.2*	10.3*	10.2*	10.4*
Electric power (gross)	Billion kilowatt-hours	4.66*	10.2*	11.8*	13.6*	15.4*	17.2*	19.5*
Brown coal and lignite	Million metric tons	15.4*	24.5*	24.7*	26.7*	28.3*	28.6*	28.8*
Minerals and metals								
Crude steel [d]	Million metric tons	0.30*	0.65*	0.76*	1.30*	1.52*	1.57*	1.86*
Rolled steel	Million metric tons	0.19*	0.43*	0.48*	0.61*	1.03*	1.21*	1.43*
Refined copper	Thousand metric tons	14.0*	23.9*	25.7*	33.5*	36.5*	36.3*	40.5*
Lead	Thousand metric tons	40.4*	93.4*	92.8*	96.6*	92.7*	95.1*	96.4*
Agriculture								
Grain [e]	Million metric tons	4.80*	5.19*	6.70*	6.42*	5.22*	6.00*	6.77*
Potatoes	Million metric tons	0.48*	0.28*	0.42*	0.38*	0.37*	0.36*	0.34
Meat [f]	Thousand metric tons	174	278	293	296	320	285	268
Cattle (beginning of year)	Million head	1.28*	1.47*	1.45*	1.38*	1.36*	1.30*	1.26*
Hogs (beginning of year)	Million head	2.27*	2.61*	2.41*	2.28*	2.31*	2.14*	1.97*
Ginned cotton	Thousand metric tons	21.1*	12.6*	22.8*	18.5*	10.3*	13.5*	12.5*
Wool (grease basis)	Thousand metric tons	21.0*	25.8*	25.5*	27.2*	29.0*	28.0*	27.0
Manufactured items								
Sulfuric acid (100%)	Thousand metric tons	123*	318*	353*	360*	472*	498*	503*
Mineral fertilizer (nutrients)	Thousand metric tons	126*	354*	394*	443*	640*	681*	749*
Soda ash (100%)	Thousand metric tons	128*	223*	226*	218*	225*	265*	300*
Cement	Million metric tons	1.59*	2.68*	2.85*	3.36*	3.51*	3.55*	3.67*
Transportation and trade								
Railroad freight traffic	Billion ton-kilometers	6.98*	10.8*	11.4*	11.7*	12.2*	12.6*	13.1*
Motor vehicle freight traffic	Billion ton-kilometers	2.04*	3.82*	4.30*	5.11*	6.02*	6.40*	6.90*
Imports (f.o.b.)	Billion US $	0.63*	1.18*	1.48*	1.57*	1.78*	1.75*	1.82*
Exports (f.o.b.)	Billion US $	0.57*	1.18*	1.30*	1.46*	1.62*	1.80*	2.01*

* *An asterisk indicates that the data are unclassified.*

[a] Converted at US purchasing power equivalents.

[b] Including the armed forces and the unemployed.

[c] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

[d] Including an estimate for steel for castings for all years.

[e] Data are for barley, corn, oats, rice, rye, wheat, and miscellaneous grains.

[f] Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, and mutton.

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Table 36

Czechoslovakia: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969	1970
Aggregative data								
Gross national product [a]	Billion 1969 US $	23.9*	25.5*	26.7*	28.0*	28.9*	29.7*	30.9*
Index of industrial production	1960=100	100*	120*	127*	135*	141*	147*	156*
Total population (midyear)	Million persons	13.7*	14.2*	14.2*	14.3*	14.4*	14.4*	14.5*
Labor force (midyear) [b]	Million persons	6.40*	6.86*	6.94*	7.02*	7.09*	7.16*	7.22*
Fuels and power								
Primary energy (coal equivalents [c])	Million metric tons	50.9*	61.9*	61.6*	59.2*	60.8*	63.8*	66.0*
Electric power (gross)	Billion kilowatt-hours	24.4*	34.2*	36.5*	38.6*	41.5*	43.0*	46.0*
Brown coal and lignite	Million metric tons	57.9*	72.3*	73.5*	70.8*	74.3*	78.7*	80.6
Natural gas	Billion cubic meters	1.29*	0.75*	0.82*	1.02*	0.83*	0.88*	0.90
Minerals and metals								
Crude steel	Million metric tons	6.77*	8.60*	9.12*	10.0*	10.6*	10.8*	11.5*
Rolled steel	Million metric tons	4.48*	6.09*	6.52*	7.12*	7.51*	7.50*	7.88*
Pig iron	Million metric tons	4.70*	5.87*	6.27*	6.82*	6.92*	7.01*	7.20*
Iron ore	Million metric tons	3.12*	2.44*	2.24*	1.91*	1.57*	1.57*	1.56*
Manganese ore	Thousand metric tons	154*	80*	90*	80*	86*	84*	82*
Primary aluminum	Thousand metric tons	52*	56*	60*	60*	60*	60*	60*
Agriculture								
Grain [d]	Million metric tons	5.74*	5.24*	5.87*	6.53*	7.36*	7.90*	7.26*
Potatoes	Million metric tons	5.09*	3.68*	5.85*	6.04*	6.53*	5.18*	4.73
Meat [e]	Thousand metric tons	483	599	580	605	660	625	655
Cattle (beginning of year)	Million head	4.30*	4.44*	4.39*	4.46*	4.44*	4.25*	4.22*
Hogs (beginning of year)	Million head	5.69*	6.14*	5.54*	5.30*	5.60*	5.14*	5.04*
Manufactured items								
Metalcutting machine tools	Thousand units	30.2*	24.3*	27.6*	29.8*	34.1*	34.9*	*N.A.*
Metallurgical equipment	Thousand metric tons	105*	85.5*	89.6*	79.2*	92.4*	65.4*	*N.A.*
Electric motors	Million kilowatts	2.95*	4.18*	3.97*	4.44*	3.81*	3.78*	*N.A.*
Electric generators [f]	Million kilowatts	1.39*	0.89*	2.06*	1.71*	0.88*	1.26*	*N.A.*
Cement	Million metric tons	5.05*	5.71*	6.13*	6.46*	6.49*	6.73*	7.40*
Tractors	Thousand units	32.5*	30.5*	28.2*	28.7*	24.4*	18.6*	18.5*
Passenger automobiles	Thousand units	56.2*	77.7*	92.7*	112*	126*	132*	143*
Television receivers	Thousand units	263*	274*	228*	256*	350*	382*	383*
Transportation and trade								
Railroad freight traffic	Billion ton-kilometers	47.4*	56.9*	57.6*	55.8*	56.7*	56.7*	59.0*
Motor vehicle freight traffic	Billion ton-kilometers	5.11*	6.98*	7.28*	7.81*	8.71*	9.05*	9.10*
Imports (f.o.b.)	Billion US $	1.82*	2.67*	2.74*	2.68*	3.08*	3.29*	3.71*
Exports (f.o.b.)	Billion US $	1.93*	2.69*	2.74*	2.86*	3.00*	3.32*	3.81*

* *An asterisk indicates that the data are unclassified.*

[a] Converted at US purchasing power equivalents.

[b] Including the armed forces and the unemployed.

[c] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

[d] Data are for barley, corn, oats, rye, and wheat.

[e] Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, and mutton.

[f] Generators for steam and gas turbines only.

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Table 37

East Germany: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969	1970
Aggregative data								
Gross national product [a]	Billion 1960 US $	26.1*	30.6*	31.8*	33.2*	34.5*	36.2*	37.7*
Index of industrial production	1960 = 100	100*	119*	125*	131*	138*	147*	155*
Total population (midyear)	Million persons	17.1*	17.0*	17.1*	17.1*	17.1*	17.1*	17.1*
Labor force (midyear) [b]	Million persons	8.53*	8.37*	8.38*	8.41*	8.40*	8.40*	8.42*
Fuels and power								
Primary energy (coal equivalents [c])	Million metric tons	73.6	81.4*	80.8	78.7	80.1	82.2	82.9
Electric power (gross)	Billion kilowatt-hours	40.3*	53.6*	56.9*	59.7*	63.2*	65.5*	67.6*
Brown coal and lignite	Million metric tons	226*	251*	249*	242*	247*	255*	261*
Minerals and metals								
Crude steel	Million metric tons	3.75*	4.37*	4.54*	4.70*	4.82*	5.14*	5.37*
Rolled steel	Million metric tons	2.61*	2.99*	3.05*	3.08*	3.16*	3.18*	3.28*
Iron ore	Million metric tons	1.64*	1.65*	1.72*	1.68*	1.41*	1.45*	1.40*
Refined copper	Thousand metric tons	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*	37.5*
Agriculture								
Grain [d]	Million metric tons	6.38*	6.73*	5.92*	7.35*	7.83*	6.92*	6.50
Meat [e]	Million metric tons	0.73	0.89	0.93	0.97	1.00	1.02	1.00
Fish catch	Thousand metric tons	114*	229*	222*	293*	303*	270*	N.A.
Cattle [f]	Million head	4.46*	4.68*	4.76*	4.92*	5.02*	5.11*	5.17*
Hogs [f]	Million head	8.28*	8.76*	8.88*	9.31*	9.25*	9.52*	9.24*
Manufactured items								
Sulfuric acid (100%)	Million metric tons	0.73*	0.98*	0.97*	0.99*	1.08*	1.10*	1.10*
Synthetic ammonia (nitrogen content)	Thousand metric tons	393*	439*	449*	453*	460*	488*	495*
Mineral fertilizer (nutrients)	Million metric tons	2.17*	2.51*	2.60*	2.85*	2.99*	3.10*	3.22*
Cement	Million metric tons	5.03*	6.09*	6.45*	7.18*	7.55*	7.41*	N.A.
Passenger automobiles	Thousand units	64.1*	103*	106*	112*	115*	121*	127*
Transportation and trade								
Railroad freight traffic	Billion ton-kilometers	32.9*	38.9*	39.7*	38.5*	38.5*	39.4*	41.0*
Motor vehicle freight traffic	Billion ton-kilometers	5.00*	7.21*	7.84*	8.17*	9.25*	10.7*	12.4*
Imports (f.o.b.)	Billion US $	2.19*	2.81*	3.22*	3.28*	3.39*	4.10*	N.A.
Exports (f.o.b.)	Billion US $	2.21*	3.07*	3.20*	3.46*	3.79*	4.15*	N.A.

* *An asterisk indicates that the data are unclassified.*

[a] Converted at US purchasing power equivalents.

[b] Including the armed forces and the unemployed.

[c] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

[d] Data are for barley, oats, rye, wheat, and miscellaneous grains.

[e] Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, and mutton.

[f] As of 30 November of the previous year.

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Table 38

Hungary: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969	1970
Aggregative data								
Gross national product [a]	Billion 1969 US $	10.4*	12.6*	13.3*	13.8*	14.2*	14.6*	15.0*
Index of industrial production	1960=100	100*	139*	149*	158*	164*	168*	178*
Total population (midyear)	Million persons	10.0*	10.1*	10.2*	10.2*	10.3*	10.3*	10.3*
Labor force (midyear) [b]	Million persons	4.87*	4.99*	5.05*	5.09*	5.12*	5.16*	5.19*
Fuels and power								
Primary energy (coal equivalents [c])	Million metric tons	14.8*	18.3*	18.3*	17.9*	19.1*	19.5*	20.3*
Electric power (gross)	Billion kilowatt-hours	7.62*	11.2*	11.9*	12.5*	13.2*	14.1*	14.5*
Brown coal and lignite	Million metric tons	23.7*	27.1*	26.0*	23.0*	23.0*	22.4*	23.7*
Crude oil	Million metric tons	1.22*	1.80*	1.71*	1.69*	1.81*	1.75*	1.94*
Natural gas	Billion cubic meters	0.34*	1.11*	1.55*	2.04*	2.68*	3.24*	3.47*
Minerals and metals								
Crude steel	Million metric tons	1.89*	2.52*	2.65*	2.74*	2.90*	3.03*	3.11*
Rolled steel	Million metric tons	1.19*	1.70*	1.73*	1.76*	1.98*	2.02*	2.04*
Manganese ore	Thousand metric tons	123*	213*	210*	209*	155*	156*	158*
Primary aluminum	Thousand metric tons	50*	58*	60*	62*	63*	64*	64*
Bauxite	Million metric tons	1.19*	1.48*	1.43*	1.65*	1.96*	1.94*	2.02*
Agriculture								
Grain [d]	Million metric tons	6.82*	7.37*	7.46*	7.77*	8.33*	9.56*	7.52*
Potatoes	Million metric tons	2.66*	1.48*	2.43*	1.51*	1.34*	1.59*	1.43*
Meat [e]	Thousand metric tons	430*	476*	469	472	532	513	511
Cattle (beginning of year)	Million head	1.97* [f]	1.94*	1.92*	1.97*	2.05*	2.02*	1.91*
Hogs (beginning of year)	Million head	5.36* [f]	7.04*	6.59*	6.12*	6.65*	5.81*	5.70*
Manufactured items								
Sulfuric acid (100%) [g]	Thousand metric tons	178*	393*	417*	450*	468*	477*	480*
Mineral fertilizer (nutrients)	Thousand metric tons	102*	265*	298*	338*	401*	470*	517*
Cotton fabrics	Million square meters	225*	305*	317*	313*	290*	269*	258*
Cement	Million metric tons	1.57*	2.38*	2.60*	2.66*	2.80*	2.56*	2.77*
Tractors	Thousand units	2.6*	3.0*	3.3*	3.6*	2.8*	1.7*	1.8*
Transportation and trade								
Railroad freight traffic	Billion ton-kilometers	13.3*	17.3*	17.9*	18.5*	18.3*	18.4*	19.4*
Motor vehicle freight traffic	Billion ton-kilometers	1.58*	2.73*	2.99*	3.37*	4.17*	5.01*	5.40*
Imports (c.i.f.)	Billion US $	0.98*	1.52*	1.57*	1.78*	1.80*	1.93*	2.50*
Exports (f.o.b.)	Billion US $	0.87*	1.51*	1.59*	1.70*	1.79*	2.08*	2.32*

* *An asterisk indicates that the data are unclassified.*

[a] Converted at US purchasing power equivalents.

[b] Including the armed forces and the unemployed.

[c] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

[d] Data are for barley, corn, oats, rice, rye, and wheat.

[e] Data are on a carcass weight, bone-in basis; are for beef, veal, pork, mutton, lamb, goat, and horsemeat; and include live exports.

[f] As of March of the stated year.

[g] Including oleum [illegible]

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Table 39

Poland: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969	1970
Aggregative data								
Gross national product [a]	Billion 1969 US $	27.6*	35.5*	37.6*	39.0*	40.6*	41.9*	43.8*
Index of industrial production	1960=100	100*	139*	147*	157*	169*	182*	195*
Total population (midyear)	Million persons	29.6*	31.3*	31.5*	31.7*	32.0*	32.3*	32.5*
Labor force (midyear) [b]	Million persons	14.1*	15.3*	15.7*	16.0*	16.3*	16.5*	16.8*
Fuels and power								
Primary energy (coal equivalents [c])	Million metric tons	93.5*	111*	114*	119*	122*	130*	137*
Electric power (gross)	Billion kilowatt-hours	29.3*	43.8*	47.4*	51.2*	55.5*	60.0*	64.5*
Hard coal	Million metric tons	104*	119*	122*	124*	129*	135*	140*
Metallurgical coke	Million metric tons	7.68*	7.99*	7.89*	8.19*	8.60*	8.90*	9.10*
Natural gas	Billion cubic meters	0.54*	1.31*	1.29*	1.46*	2.40*	3.67*	5.18*
Minerals and metals								
Crude steel	Million metric tons	6.68*	9.09*	9.85*	10.4*	11.0*	11.3*	11.8*
Rolled steel	Million metric tons	4.42*	6.13*	6.58*	6.95*	7.33*	7.66*	8.13*
Pig iron	Million metric tons	4.25*	5.38*	5.61*	6.33*	6.67*	6.73*	7.05*
Iron ore	Million metric tons	2.18*	2.86*	3.05*	3.08*	3.05*	2.82*	2.55*
Primary aluminum	Thousand metric tons	26*	47*	55*	92*	94*	97*	100*
Lead	Thousand metric tons	39.7*	41.4*	43.5*	44.8*	48.7*	50.7*	54.5*
Refined zinc	Thousand metric tons	176*	190*	193*	196*	203*	208*	209*
Agriculture								
Grain [d]	Million metric tons	14.8*	16.0*	15.8*	16.3*	18.0*	18.6*	16.3*
Potatoes	Million metric tons	37.9*	42.7*	45.8*	48.2*	50.3*	44.9*	50.2*
Meat [e]	Million metric tons	1.15	1.33	1.37	1.41	1.44	1.50	1.47
Fish catch [f]	Thousand metric tons	187*	301*	338*	344*	412*	411*	476*
Cattle (beginning of year)	Million head	8.70* [g]	9.35*	9.48*	10.0*	10.1*	10.5*	10.3*
Hogs (beginning of year)	Million head	12.6* [g]	14.2*	14.4*	14.7*	14.4*	14.7*	14.8*
Manufactured items								
Sulfuric acid (100%)	Million metric tons	0.68*	1.06*	1.14*	1.21*	1.31*	1.52*	1.92*
Mineral fertilizer (nutrients)	Million metric tons	0.48*	0.74*	0.83*	0.97*	1.23*	1.47*	1.63*
Woolen fabrics	Million linear meters	79*	91*	91*	90*	94*	99*	99*
Cement	Million metric tons	6.60*	9.57*	10.0*	11.1*	11.6*	11.8*	12.2*
Tractors	Thousand units	7.7*	21.5*	24.6*	29.8*	35.0*	44.2*	46.8*
Trucks and buses	Thousand units	24.0*	34.2*	37.8*	40.7*	44.5*	51.9*	51.4*
Transportation and trade								
Railroad freight traffic	Billion ton-kilometers	66.6*	81.0*	85.0*	88.5*	92.6*	95.0*	99.3*
Motor vehicle freight traffic [h]	Billion ton-kilometers	5.69*	8.38*	9.26*	10.4*	12.0*	13.7*	14.3*
Imports (f.o.b.)	Billion US $	1.50*	2.34*	2.49*	2.64*	2.85*	3.21*	3.61*
Exports (f.o.b.)	Billion US $	1.32*	2.23*	2.27*	2.53*	2.86*	3.14*	3.55*

* *An asterisk indicates that the data are unclassified.*

[a] Converted at US purchasing power equivalents.

[b] Including the armed forces and the unemployed.

[c] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

[d] Data are for barley, oats, rye, wheat, and miscellaneous grains.

[e] Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutton, horsemeat, and edible offal.

[f] Salt water catch only.

[g] As of 30 June of the stated year.

[h] Data are for motor vehicles owned by various industries for their exclusive use.

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Table 40

Romania: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969	1970
Aggregative data								
Gross national product [a]	Billion 1969 US $	13.0*	17.2*	18.7*	19.8*	20.9*	22.1*	23.2*
Index of industrial production	1960 = 100	100*	167*	187*	208*	229*	249*	273*
Total population (midyear)	Million persons	18.4*	19.0*	19.1*	19.3*	19.7*	20.0*	20.3*
Labor force (midyear) [b]	Million persons	9.99*	10.3*	10.4*	10.4*	10.6*	10.7*	10.9*
Fuels and power								
Primary energy (coal equivalents [c])	Million metric tons	34.2*	46.8*	49.4*	52.9*	55.8*	59.5*	62.3
Electric power (gross)	Billion kilowatt-hours	7.65*	17.2*	20.8*	24.8*	27.8*	31.5*	35.0*
Brown coal and lignite	Million metric tons	3.4*	5.6*	6.6*	7.9*	9.3*	11.1*	13.6*
Crude oil	Million metric tons	11.5*	12.6*	12.8*	13.2*	13.3*	13.2*	13.4*
Petroleum products	Million metric tons	11.0	11.8	11.9	12.2	12.7	13.2*	14.0
Natural gas	Billion cubic meters	10.3*	17.5*	18.8*	20.7*	21.9*	24.1*	24.8*
Minerals and metals								
Crude steel	Million metric tons	1.81*	3.43*	3.67*	4.09*	4.75*	5.54*	6.52*
Rolled steel	Million metric tons	1.25*	2.35*	2.59*	2.91*	3.39*	3.82*	4.70*
Iron ore	Million metric tons	1.46*	2.48*	2.68*	2.80*	2.75*	3.00*	3.21*
Agriculture								
Grain [d]	Million metric tons	9.77*	12.6*	13.8*	13.4*	12.7*	12.8*	10.4*
Potatoes	Million metric tons	3.01*	2.20*	3.35*	3.10*	3.71*	2.17*	1.70*
Meat [e]	Thousand metric tons	414	462	500	542	592	578	568
Cattle (beginning of year)	Million head	4.45*	4.76*	4.94*	5.20*	5.33*	5.14*	5.03*
Hogs (beginning of year)	Million head	4.30*	6.03*	5.36*	5.40*	5.75*	5.85*	5.97*
Wool (grease basis)	Thousand metric tons	21.8*	25.4*	26.1*	28.6*	30.6*	30.8*	29.4*
Manufactured items								
Cement	Million metric tons	3.05*	5.41*	5.89*	6.34*	7.03*	7.69*	8.31*
Grain combines	Thousand units	5.50*	2.01*	4.05*	4.95*	7.52*	4.38*	1.80*
Tractors	Thousand units	17.1*	15.8*	18.5*	17.6*	21.2*	24.9*	29.3*
Transportation and trade								
Railroad freight traffic	Billion ton-kilometers	19.8*	31.0*	34.5*	37.3*	40.7*	44.0*	47.2*
Motor vehicle freight traffic	Billion ton-kilometers	1.60*	3.27*	3.95*	4.68*	5.38*	6.19*	6.92*
Imports (f.o.b.)	Billion US $	0.65*	1.08*	1.21*	1.55*	1.61*	1.63*	N.A.
Exports (f.o.b.)	Billion US $	0.72*	1.10*	1.19*	1.40*	1.47*	1.74*	N.A.

* *An asterisk indicates that the data are unclassified.*

[a] Converted at US purchasing power equivalents.

[b] Including the armed forces and the unemployed.

[c] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

[d] Data are for barley, corn, oats, rice, rye, and wheat.

[e] Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutton, and goat.

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Table 41

Communist China: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969	1970
Aggregative data								
Gross national product [a]	Billion 1969 US $	86	95	104	100	97	107	119
Index of industrial production [b]	1960 = 100	100	97–102	110–117	88–95	92–100	112–123	130–144
Total population (midyear)	Million persons	689*	751*	766*	783*	800*	818*	836*
Labor force (midyear) [c]	Million persons	307*	328*	335*	*N.A.*	*N.A.*	*N.A.*	*N.A.*
Agricultural labor force (midyear)	Million persons	254*	281*	287*	*N.A.*	*N.A.*	*N.A.*	*N.A.*
Fuels and power								
Primary energy (coal equivalents [d])	Million metric tons	208	205	226	184	195	242	286
Electric power (gross)	Billion kilowatt-hours	47*	42*	47*	41*	44*	50*	60*
Hard coal [e]	Million metric tons	280*	220*	240*	190*	200*	250*	300
Crude oil	Million metric tons	4.6	8.0	10	10	11	14	18
Petroleum products	Million metric tons	4.7	7.2	9.0	8.9	9.8	12.5	16.3
Minerals and metals								
Crude steel	Million metric tons	13.0	11.0	13.0	10.0	11.5	14.5	17.0
Pig iron	Million metric tons	14.1	12.5	14.5	12.0	14.0	16.5	18.5
Iron ore	Million metric tons	28.0	25.0	29.0	24.0	28.0	33.0	37.0
Manganese ore	Thousand metric tons	708	312	375	340	375	400	450
Tungsten ore (60% WO_3)	Thousand metric tons	28.7	14.6	14.4	12.0	12.0	12.0	13.0
Primary aluminum	Thousand metric tons	80	115	125	145	180	195	230
Agriculture								
Grain [f]	Million metric tons	160–165	190–195	195–200	210–215	195–200	200–205	215–220
Ginned cotton	Million metric tons	1.40	1.30	1.60	1.80	1.60	1.70	1.70
Manufactured items								
Sulfuric acid (100%)	Million metric tons	1.35*	2.2	2.3	*N.A.*	*N.A.*	*N.A.*	*N.A.*
Chemical fertilizer [g]	Million metric tons	2.5	4.5	5.5	4.0	4.8	5.8	7.0
Nutrients	Million metric tons	0.49	0.88	1.08	0.78	0.94	1.14	1.37
Cement	Million metric tons	9.0	10.9	12.0	10.2	10.5	12.0	13.0
Tractors	Thousand units	10.8	13.7	17.6	15.3	16.4	18–20	20–22
Trucks	Thousand units	15	34	47	34	31	66	75
Trade								
Imports (f.o.b.)	Billion US $	2.03*	1.86*	2.04*	1.94*	1.82*	1.84*	2.10*
Exports (f.o.b.)	Billion US $	1.94*	2.00*	2.17*	1.92*	1.89*	2.02*	2.15*

* *An asterisk indicates that the data are unclassified.*

[a] Converted at US purchasing power equivalents.

[b] Estimates of this Office computed by applying value-added weights to data for commodity production. The data are fragmentary and uncertain; therefore, the index should be regarded as providing only a tentative indication of the general level and trend in production.

[c] Data exclude the armed forces but include the unemployed.

[d] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

[e] Including a negligible amount of brown coal.

[f] Data are for barley, corn, oats, rice, rye, and wheat, and also include kaoliang, broad beans, and field peas. Tubers are included on a grain equivalent basis of 4 metric tons of tubers to 1 metric ton of grain.

[g] Data are in terms of product weight containing 20% nitrogen (N), 18.7% phosphoric acid (P_2O_5), and 40% potassium oxide (K_2O).

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Table 42

North Korea: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969	1970
Aggregative data								
Gross industrial production	1960=100	100*	198*	192*	224*	258*	255*	332*
Total population (midyear)	Million persons	10.6*	12.2*	12.6*	13.0*	13.4*	13.8*	14.2*
Labor force (midyear) [a]	Million persons	4.6*	5.3*	5.4*	5.5*	5.6*	5.7*	5.9*
Fuels and power								
Primary energy (coal equivalents [b])	Million metric tons	14.1*	21.3	21.4	22.8	24.5	23.6	27.6
Electric power (gross)	Billion kilowatt-hours	9.14*	13.4*	12.5*	14.6*	14.0*	15.0*	16.5
Hard coal	Million metric tons	6.8*	12.4*	14.0*	15.4*	17.5	16.1	19.2*
Minerals and metals								
Crude steel	Million metric tons	0.64*	1.23	1.30	1.50	1.60	1.80	2.20
Iron ore	Million metric tons	3.11*	4.96* [c]	5.00*	5.46	5.50	5.70	6.00
Tungsten ore [d]	Thousand metric tons	3.00	4.30	4.40	4.50	4.60	4.80	5.00
Lead	Thousand metric tons	34.0	54.0*	57.0*	61.0*	61.0*	61.0*	61.0*
Refined zinc	Thousand metric tons	55*	80*	84*	88*	88*	88*	88*
Agriculture								
Grain [e]	Million metric tons	3.8	4.5	4.0	4.7	5.2	*N.A.*	*N.A.*
Rice (rough, or paddy)	Million metric tons	1.51	*N.A.*	*N.A.*	*N.A.*	2.00	*N.A.*	*N.A.*
Fish catch	Thousand metric tons	465*	785*	700	*N.A.*	*N.A.*	*N.A.*	*N.A.*
Cattle (beginning of year)	Million head	0.67*	0.69	*N.A.*	*N.A.*	*N.A.*	0.80	*N.A.*
Hogs (beginning of year)	Million head	1.12*	1.21	*N.A.*	*N.A.*	*N.A.*	2.20	*N.A.*
Manufactured items								
Synthetic ammonia (nitrogen content)	Thousand metric tons	111	120	120	140	195	240	280
Mineral fertilizer (nutrients)	Thousand metric tons	127	158	158	176	239	278	320
Metalcutting machine tools	Thousand units	2.90*	4.00	4.00	5.00	6.70	7.20	10.[illegible]
Cement	Million metric tons	2.28*	2.40*	2.80	2.90	3.00	3.20	4.00
Trucks and buses	Thousand units	3.1*	4.5	6.0	8.0	9.5	9.8	14.7
Transportation and trade								
Railroad freight traffic	Billion ton-kilometers	9.10*	10.5	11.9	12.5	12.8	13.0	13.5
Motor vehicle freight traffic	Million ton-kilometers	552*	765	*N.A.*	*N.A.*	*N.A.*	*N.A.*	*N.A.*
Imports (f.o.b.) [f]	Million US $	167*	216*	202*	224*	305*	385*	387*
Exports (f.o.b.) [f]	Million US $	154*	198*	221*	226*	253*	272*	295*

* *An asterisk indicates that the data are unclassified.*

[a] Data exclude the armed forces but include the unemployed.

[b] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

[c] Based on an announced increase for 1965 of 24% applied to 1964 plan data.

[d] Tungsten trioxide (60% WO_3 basis).

[e] Data are for barley, corn, oats, rice, wheat, soybeans, and tubers on a straight weight basis.

[f] Estimated data based on data of trading partner countries.

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Table 43

North Vietnam: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969	1970
Aggregative data								
Gross industrial production	1960 = 100	100*	184*	*N.A.*	*N.A.*	*N.A.*	*N.A.*	*N.A.*
Total population (midyear)	Million persons	16.0*	18.1*	18.5*	18.9*	19.3*	19.7*	20.1*
Labor force (midyear) [a]	Million persons	8.2*	9.4*	9.5*	9.6*	9.6*	9.6*	9.7*
Fuels and power								
Primary energy (coal equivalents [b])	Million metric tons	2.4	3.7	3.3	2.3	2.6	2.6	2.7
Electric power (gross)	Billion kilowatt-hours	0.26*	0.57	0.52	0.30	0.35	0.45	0.51
Minerals and metals								
Pig iron	Thousand metric tons	10*	200	150	40	15	15	50
Iron ore	Million metric tons	0.02*	0.40	0.30	0.08	0.03	0.03	0.10
Chromite [c]	Thousand metric tons	19.4*	12.0	*Negl.*	*Negl.*	5.00	3.00	2.00
Agriculture								
Grain [d]	Million metric tons	4.43*	4.79*	*N.A.*	*N.A.*	*N.A.*	*N.A.*	*N.A.*
Rice (rough, or paddy)	Million metric tons	4.21*	4.51*	4.20	4.00	3.80	4.00	4.30
Sweet potatoes and manioc	Million metric tons	0.92*	1.18* [e]	*N.A.*	*N.A.*	*N.A.*	*N.A.*	*N.A.*
Cattle (beginning of year) [f]	Million head	2.40*	2.38*	2.44*	2.47*	2.50*	*N.A.*	*N.A.*
Hogs (beginning of year)	Million head	3.63*	4.48*	4.84*	5.10*	5.20*	*N.A.*	*N.A.*
Manufactured items								
Metalcutting machine tools	Thousand units	0.65*	0.50*	*N.A.*	*N.A.*	*N.A.*	*N.A.*	*N.A.*
Cement	Thousand metric tons	408*	660*	665*	200	120	250	330
Trade								
Imports (f.o.b.) [g]	Million US $	128 [h]	195	251	355	415	437	409
Exports (f.o.b.) [g]	Million US $	80 [h]	102	85	57	57	52	56

* *An asterisk indicates that the data are unclassified.*

[a] Data exclude the armed forces but include the unemployed.

[b] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

[c] Data are for the estimated chromic oxide (Cr_2O_3) content of the ores mined.

[d] Corn and rice only.

[e] Excluding manioc.

[f] Including buffaloes.

[g] Unless otherwise indicated, estimated data based on data of trading partner countries.

[h] Estimated.

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Table 44

Albania: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969	1970
Aggregative data								
Gross industrial production [a]	1960 = 100	100*	139*	156*	176*	209* [b]	232* [b]	254* [b]
Total population (midyear)	Million persons	1.6*	1.9*	1.9*	2.0*	2.0*	2.1*	2.1*
Labor force (midyear) [c]	Million persons	0.73*	0.82*	0.84*	0.86*	0.89*	0.91*	0.97*
Fuels and power								
Primary energy (coal equivalents [d])	Million metric tons	1.1*	1.4	1.5	1.6	1.7	2.0	2.1
Electric power (gross)	Billion kilowatt-hours	0.19*	0.34*	0.40*	0.54*	0.71*	0.93*	1.04*
Brown coal and lignite	Million metric tons	0.3*	0.3*	0.4*	0.4	0.5	0.6	0.7
Crude oil	Million metric tons	0.73*	0.82*	0.89*	0.98*	1.04	1.17	1.23
Minerals and metals								
Iron ore [e]	Million metric tons	0.26*	0.39*	0.39*	0.40*	N.A.	N.A.	N.A.
Chromite [f]	Thousand metric tons	130*	141	137	148	165	189	200
Blister copper	Thousand metric tons	0.9*	4.2*	4.8*	4.8*	5.5*	6.4*	7.0*
Agriculture								
Grain [g]	Million metric tons	0.22*	0.33*	0.41*	0.49*	0.51*	0.55*	N.A.
Potatoes	Million metric tons	0.02*	0.02*	0.11*	0.12*	0.16*	0.12*	0.15*
Cattle (beginning of year) [h]	Million head	0.43*	0.43*	0.43*	0.43*	0.43*	N.A.	N.A.
Hogs (beginning of year)	Million head	0.12*	0.15*	0.14*	0.14	N.A.	0.19*	N.A.
Ginned cotton	Thousand metric tons	5.4*	8.1*	8.1*	7.2*	6.0	N.A.	N.A.
Wool (grease basis)	Thousand metric tons	2.7*	2.9*	2.7*	2.7*	N.A.	N.A.	N.A.
Manufactured items								
Cement	Thousand metric tons	73*	134*	139*	221*	305*	324*	340*
Transportation and trade								
Railroad freight traffic	Million ton-kilometers	50*	100*	110*	120*	130*	150*	160*
Motor vehicle freight traffic	Million ton-kilometers	328*	454*	527*	570*	627*	690*	759*
Imports (f.o.b.)	Million US $	81*	105* [b]	107* [b]	109* [b]	116* [b]	143* [b]	N.A.
Exports (f.o.b.)	Million US $	49*	63* [b]	66* [b]	67* [b]	75* [b]	80* [b]	N.A.

* *An asterisk indicates that the data are unclassified.*

[a] Socialized industry only.

[b] Estimated.

[c] Including the armed forces and the unemployed.

[d] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

[e] Iron-nickel ore that is mined for its nickel content.

[f] Data are for the estimated chromic oxide (Cr_2O_3) content of the ores mined.

[g] Data are for barley, corn, oats, rice, rye, wheat, and buckwheat.

[h] Including buffaloes.

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Table 45

Cuba: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969	1970
Aggregative data								
Gross national product	Billion 1957 US $	3.29* [a]	3.21*	3.11*	3.36*	3.26*	3.34*	3.50*
Total population (midyear)	Million persons	7.1*	7.9*	8.0*	8.2*	8.3*	8.4*	8.5*
Fuels and power								
Electric power (gross)	Billion kilowatt-hours	2.98*	3.56*	3.66*	4.06*	4.20*	4.40*	5.09*
Minerals and metals								
Crude steel	Thousand metric tons	*N.A.*	40*	70*	100*	120*	130*	150*
Manganese ore	Thousand metric tons	123*	120	115	*N.A.*	*N.A.*	*N.A.*	*N.A.*
Refined nickel [b]	Thousand metric tons	14.7	28.2	27.9	32.4	37.3	37.0	36.0
Chromite [c]	Thousand metric tons	10.0* [d]	14.4	13.1	*N.A.*	*N.A.*	*N.A.*	*N.A.*
Agriculture								
Grain [e]	Thousand metric tons	410*	70*	90*	110*	120*	240*	390*
Rice (rough, or paddy)	Thousand metric tons	306*	50*	68*	94*	100*	206*	360*
Potatoes [f]	Thousand metric tons	90*	80*	100*	100*	120*	120*	90*
Milk	Thousand metric tons	742*	620*	705*	705*	665*	625*	580*
Sugar [g]	Million metric tons	5.86*	6.22*	4.53*	6.34*	5.28*	4.54*	8.50*
Molasses	Million metric tons	1.6*	2.1*	1.2*	1.9*	1.4*	1.5*	*N.A.*
Fish catch	Thousand metric tons	31.2*	40.3*	43.2*	62.9*	65.7*	85.0*	100*
Green coffee	Thousand metric tons	42.0*	23.9*	33.4*	34.3*	29.1*	30.0*	26.0*
Cattle (beginning of year)	Million head	5.76*	6.61	6.70	6.77	7.10*	*N.A.*	*N.A.*
Ginned cotton	Thousand metric tons	7.2*	0.8*	0.5*	1.0*	0.6*	*N.A.*	*N.A.*
Tobacco	Thousand metric tons	52.2*	43.4*	51.3*	45.5*	46.5*	47.0*	40.0*
Manufactured items								
Rubber tires	Thousand units	343*	197*	306*	414*	147*	*N.A.*	216*
Cement	Thousand metric tons	813*	801*	750*	835*	780*	675*	700*
Trade								
Imports (c.i.f.)	Billion US $	0.55*	0.87*	0.93*	1.00*	1.10*	1.20*	1.32*
Exports (f.o.b.)	Billion US $	0.62*	0.68*	0.59*	0.71*	0.65*	0.66*	1.02*

* *An asterisk indicates that the data are unclassified.*

[a] Data are for 1961.

[b] Nickel content of oxide and sulfides.

[c] Data are for the estimated chromic oxide (Cr_2O_3) content of the ores mined.

[d] US imports.

[e] Corn and rice only.

[f] Data reflect government collections only; total production is considerably higher.

[g] Raw cane sugar of 96° polarization.

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Table 46

Mongolia: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969	1970
Aggregative data								
Gross industrial production	1960 = 100	100*	164*	176*	194*	209*	232*	254*
Total population (midyear)	Million persons	1.0*	1.1*	1.1*	1.2*	1.2*	1.2*	1.3*
Fuels and power								
Electric power (gross)	Million kilowatt-hours	106*	242*	215*	245*	289*	388*	428*
Coal	Million metric tons	0.62*	0.99*	1.16	1.25*	1.47*	1.64	2.00*
Crude oil	Thousand metric tons	28.6*	14.2	12.2	9.8	7.8	4.5	N.A.
Agriculture								
Grain [a]	Thousand metric tons	256*	354*	297*	360*	216*	132*	327*
Fresh butter [b]	Thousand metric tons	4.8*	4.1*	3.7	3.7	3.1	3.0	N.A.
Livestock	Million head	20.7*	23.8*	22.6	22.4	20.8	21.4	22.5*
Manufactured items								
Bricks	Million units	77.5	43.6	42.7	41.0	51.3	55.8	43.1*
Leather footwear	Million pairs	0.90*	1.4*	1.5	1.7	1.8	1.9	1.6*
Cement	Thousand metric tons	0	0	0	15	44	72	96
Lumber	Thousand cubic meters	152	186	219	287	314	330	386
Processed meat	Thousand metric tons	13	19	20	20	23	28	35
Transportation and trade								
Imports (f.o.b.)	Million US $	121	150	179	209	225	226	N.A.
Exports (f.o.b.)	Million US $	73	98	86	86	80	81	N.A.

* *An asterisk indicates that the data are unclassified.*

[a] Data are for barley, oats, wheat, and miscellaneous grain.

[b] Excluding butter prepared by the self-employed for their own use.

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Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200005-5

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Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200005-5

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Table 47

Yugoslavia: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969	1970
Aggregative data								
Index of industrial production	1960 = 100	100	166	173	172	183	203	221
Total population (midyear)	Million persons	18.4	19.5	19.7	19.9	20.2	20.4	20.5
Labor force (midyear) [a]	Million persons	8.30	8.93	9.05	9.18	9.33	9.47	9.60
Fuels and power								
Primary energy (coal equivalents [b])	Million metric tons	15.5	21.3	21.4	20.8	21.6	23.0	24.3
Electric power (gross)	Billion kilowatt-hours	8.93	15.5	17.2	18.7	20.6	23.4	26.0
Metallurgical coke	Million metric tons	1.08	1.27	1.23	1.22	1.23	1.23	1.31
Crude oil	Million metric tons	0.94	2.06	2.22	2.37	2.49	2.70	2.85
Natural gas	Million cubic meters	53	330	402	461	584	730	977
Minerals and metals								
Crude steel	Million metric tons	1.44	1.77	1.87	1.83	2.00	2.22	2.23
Rolled steel	Million metric tons	0.97	1.19	1.23	1.18	1.51	1.66	1.77
Iron ore	Million metric tons	2.20	2.50	2.49	2.58	2.72	2.72	3.69
Refined copper	Thousand metric tons	35.1	56.4	62.9	66.2	70.1	82.0	89.3
Primary aluminum	Thousand metric tons	25	39	42	45	48	48	50
Bauxite	Million metric tons	1.02	1.57	1.89	2.13	2.07	2.13	2.10
Agriculture								
Grain [c]	Million metric tons	10.9	10.6	13.9	13.2	12.1	13.6	11.6
Meat [d]	Thousand metric tons	522	639	558	627	685	630	*N.A.*
Milk	Million metric tons	2.28	2.30	2.51	2.60	2.63	2.62	2.75
Fish catch	Thousand metric tons	30.9	41.9	45.5	47.9	44.9	43.8	*N.A.*
Cattle (beginning of year)	Million head	5.30	5.22	5.58	5.71	5.69	5.26	5.03
Hogs (beginning of year)	Million head	6.21	6.98	5.12	5.52	5.86	5.09	5.54
Manufactured items								
Sulfuric acid (100%)	Thousand metric tons	130	435	542	592	589	696	747
Mineral fertilizer (nutrients)	Thousand metric tons	45	226	279	305	309	327	430
Cotton fabrics	Million square meters	257	394	416	378	401	415	388
Cement	Million metric tons	2.40	3.10	3.23	3.31	3.76	3.96	4.40
Tractors	Thousand units	7.3	7.4	8.7	8.8	10.9	10.8	12.0
Passenger automobiles	Thousand units	10.5	35.9	37.7	47.9	59.4	80.5	111
Trucks and buses (civilian)	Thousand units	5.5	11.9	11.8	12.1	13.3	14.3	16.2
Transportation and trade								
Railroad freight traffic [e]	Billion ton-kilometers	15.2	18.0	17.5	16.4	16.4	17.7	18.6
Imports (c.i.f.)	Billion US $	0.83	1.29	1.58	1.71	1.80	2.13	2.87
Exports (f.o.b.)	Billion US $	0.57	1.09	1.22	1.25	1.26	1.47	1.68

[a] Including the armed forces and the unemployed.
[b] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.
[c] Data are for barley, corn, oats, rice, rye, and wheat.
[d] Data are on a carcass weight, bone-in basis; are for beef, veal, pork, mutton, and horsemeat; and include live exports.
[e] Including service traffic.

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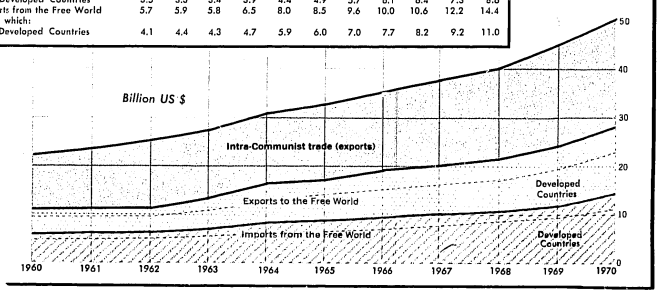
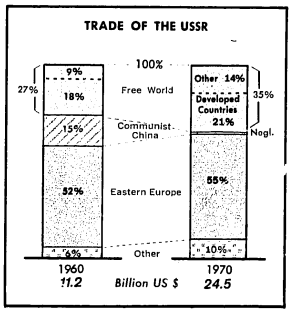
Figure 11

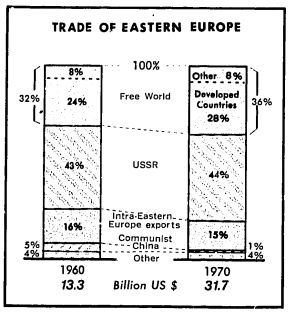
DIRECTION OF FOREIGN TRADE OF THE COMMUNIST COUNTRIES

BILLION US $

	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
Total Trade	22.3	23.3	24.9	27.0	30.4	32.7	35.2	37.4	40.0	44.6	50.7
Intra-Communist trade (exports)	11.7	12.3	13.3	14.1	15.2	16.0	16.3	17.6	19.3	20.7	23.0
Exports to the Free World	5.0	5.1	5.8	6.4	7.2	8.2	9.3	9.8	10.2	11.7	13.3
Of which:											
Developed Countries	3.5	3.3	3.4	3.9	4.4	4.9	5.7	6.1	6.4	7.3	8.6
Imports from the Free World	5.7	5.9	5.8	6.5	8.0	8.5	9.6	10.0	10.6	12.2	14.4
Of which:											
Developed Countries	4.1	4.4	4.3	4.7	5.9	6.0	7.0	7.7	8.2	9.2	11.0







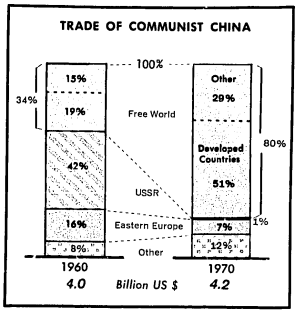


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Table 48

World Exports,[a] by Selected Country and Region

Billion US $

	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
World	**130**	**135**	**143**	**156**	**174**	**188**	**206**	**216**	**241**	**275**	**314**
Free World	**113**	**118**	**124**	**135**	**152**	**164**	**180**	**189**	**212**	**243**	**277**
Of which:											
United States	20.6	21.0	21.7	23.4	26.6	27.5	30.4	31.6	34.6	38.0	43.2
Western Europe	51.4	55.1	58.1	63.3	70.8	78.5	85.7	90.2	101	118	137
Japan	4.1	4.2	4.9	5.5	6.7	8.5	9.8	10.4	13.0	16.0	19.3
Communist Countries	**16.7**	**17.4**	**19.1**	**20.5**	**22.4**	**24.2**	**25.6**	**27.4**	**29.4**	**32.4**	**36.3**
Of which:											
USSR	5.6	6.0	7.0	7.3	7.7	8.2	8.8	9.7	10.6	11.7	12.8
Eastern Europe	7.6	8.3	8.9	9.9	10.9	11.8	12.3	13.4	14.5	16.1	18.1
Communist China	1.9	1.5	1.5	1.6	1.8	2.0	2.2	1.9	1.9	2.0	2.2

[a] Including foreign aid where possible. Data are f.o.b.

Table 49

Trade of the US with the USSR and East European Communist Countries

Million US $

	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
US exports to [a]	**193.9**	**133.3**	**125.4**	**166.8**	**339.9**	**140.0**	**197.6**	**195.2**	**215.0**	**249.3**	**353.3**
USSR[b]	39.3	45.6	20.2	22.9	146.4	45.2	41.7	60.3	57.7	105.5	118.4
Eastern Europe	154.6	87.8	105.1	143.9	193.5	94.8	155.8	134.9	157.3	143.7	234.9
US imports from [a]	**80.9**	**81.0**	**78.8**	**81.4**	**98.4**	**137.4**	**178.6**	**176.9**	**198.1**	**195.1**	**225.6**
USSR[b]	22.6	23.2	16.3	21.2	20.7	42.6	49.6	41.2	58.5	51.5	72.3
Eastern Europe	58.2	57.8	62.5	60.2	77.7	94.7	129.0	135.7	139.7	143.6	153.3

[a] Exports include reexports and are valued f.a.s. Imports are general imports and are valued f.o.b. port of export.
[b] Including data for Estonia, Latvia, and Lithuania.

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Table 50

Trade of the US with the USSR, by Commodity [a]

Thousand US $

	1960	1965	1966	1967	1968	1969
	Exports to the USSR [b]					
Total exports [c]	39,255	45,117	41,668	60,276	57,656	104,762
Food and beverages	60	0	97	9	14	24
Tobacco and tobacco manufactures	0	36	48	248	896	1,180
Crude materials	4,022	15,902	23,233	32,324	18,007	22,401
Hides and skins except furskins	2,622	6,170	15,560	19,323	5,227	11,590
Pulp and waste paper	0	1,986	5,265	7,405	11,638	9,089
Manmade fibers	1,400	1,353	2,403	5,396	1,090	911
Oils, fats, and waxes	0	17,493	7,599	0	0	0
Chemicals	3,099	5,730	4,883	13,125	20,636	27,536
Basic manufactures	12,310	59	1,203	1,690	685	7,725
Machinery and transport equipment	19,254	5,155	4,080	11,504	15,249	41,570
Nonelectric machinery	17,403	2,636	3,472	9,264	12,041	35,907
Electric machinery and appliances	49	447	444	1,587	2,745	3,855
Transport equipment	1,802	2,072	164	653	463	1,808
Miscellaneous manufactures	258	144	331	1,172	1,918	4,073
Other	252	598	194	203	251	253
	Imports from the USSR [d]					
Total imports [c]	22,779	42,584	49,543	41,049	58,269	51,494
Food, beverages, and tobacco	221	568	767	894	411	674
Crude materials	8,008	13,867	16,390	14,440	15,518	15,647
Furskins, undressed	5,967	6,176	6,302	4,227	4,861	5,069
Chrome ore	160	4,373	6,323	6,785	7,297	7,807
Oils, fats, and waxes	0	0	3	1,984	2	1
Chemicals	8,175	960	1,391	1,149	1,017	1,312
Basic manufactures [e]	5,738	26,428	30,280	21,752	40,000	32,078
Platinum group metals [e]	5,525	22,979	19,048	10,725	24,964	14,063
Miscellaneous manufactures	317	513	534	720	1,263	1,702
Other	320	248	178	109	59	80

[a] Including data for Estonia, Latvia, and Lithuania, which are treated separately in the US Department of Commerce statistics.
[b] Exports are domestic exports only, excluding reexports, and are valued f.a.s.
[c] The minor differences between the totals shown on this table are those shown on the preceding table are due to differences in definition.
[d] General imports for all years except 1960, for which import data are for consumption only. Imports are valued f.o.b. port of export.
[e] Data may include unrefined metal.

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Table 51

Trade Turnover of the Communist Countries [a]

	Million US $							Average Annual Rate of Growth [b] (Percent)	
	1960	1965	1966	1967	1968	1969	1970	1961–65	1966–70
COMMUNIST COUNTRIES									
USSR and Eastern Europe									
USSR	11,192*	16,233*	16,754*	18,189*	20,044*	21,982*	24,539*	7.7*	8.6*
Eastern Europe									
Bulgaria	1,204*	2,354*	2,783*	3,030*	3,397*	3,544*	3,824*	14.3*	10.2*
Czechoslovakia	3,745*	5,361*	5,481*	5,544*	6,082*	6,614*	7,522*	7.4*	7.0*
East Germany	4,402*	5,879*	6,420*	6,735*	7,184*	8,258*	9,300* [c]	6.0*	9.6*
Hungary	1,850*	3,030*	3,159*	3,476*	3,592*	4,011*	4,822*	10.4*	9.7*
Poland	2,820*	4,568*	4,766*	5,171*	5,711*	6,351*	7,155*	10.1*	9.4*
Romania	1,365*	2,179*	2,339*	2,941*	3,078*	3,374*	3,800*	9.8*	11.8*
Far East									
Communist China [d e]	3,975*	3,850*	4,205*	3,860*	3,710*	3,855*	4,250*	−0.6*	2.0*
North Korea [e]	321*	414*	423*	450*	559*	656*	682*	5.2*	10.5*
North Vietnam	208 [c]	298 [c]	335 [c]	412 [c]	474 [c]	489 [c]	465 [c]	7.5	9.3
Other									
Albania	130*	168* [c]	173* [c]	176* [c]	191* [c]	223* [c]	*N.A.*	5.3*	7.3* [f]
Cuba	1,168*	1,552*	1,518*	1,709*	1,745*	1,855*	2,345* [c]	5.9*	8.6*
Yugoslavia	1,393*	2,379*	2,796*	2,959*	3,061*	3,608*	4,553*	11.3*	13.9*

* *An asterisk indicates that the data are unclassified.*

[a] Official statistics of the countries listed, except where data are estimated. Official statistics for exports and imports are f.o.b. except for Hungary, Cuba, and Yugoslavia, where imports are c.i.f.

[b] The base year is the year prior to the stated period.

[c] Estimated.

[d] Rounded to the nearest US $5 million.

[e] Estimated data based on data of trading partner countries.

[f] Rate of growth for 1966-69.

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Table 52

Trade Among the Communist Countries [a]

Million US $

	Exports by Designated Country						
	1960	1965	1966	1967	1968	1969	1970
COMMUNIST COUNTRIES							
USSR and Eastern Europe							
USSR	4,211*	5,556*	5,873*	6,377*	7,134*	7,682*	8,367*
Eastern Europe							
Bulgaria	480*	934*	997*	1,135*	1,270*	1,423*	1,591*
Czechoslovakia	1,395*	1,965*	1,928*	2,051*	2,131*	2,293*	2,683*
East Germany	1,672*	2,297*	2,386*	2,599*	2,904*	3,034*	*N.A.*
Hungary	625*	1,058*	1,089*	1,167*	1,286*	1,418*	1,520*
Poland	830*	1,409*	1,400*	1,611*	1,878*	2,064*	2,263*
Romania	523*	756*	735*	789*	873*	970*	*N.A.*
Far East							
Communist China [b c]	1,320*	650*	595*	460*	460*	485*	525* [d]
North Korea [c]	149*	177*	189*	189*	206*	221*	235* [d]
North Vietnam	64 [d]	79 [c]	64 [c]	45 [c]	47 [c]	38 [c]	40 [c]
Other							
Albania	48*	58* [d]	61* [d]	61* [d]	66* [d]	72* [d]	*N.A.*
Cuba	151*	536*	482*	577*	489*	440*	740* [d]
Yugoslavia	183*	465*	455*	459*	457*	458*	554 [d]

	Imports by Designated Country						
	1960	1965	1966	1967	1968	1969	1970
COMMUNIST COUNTRIES							
USSR and Eastern Europe							
USSR	3,978*	5,610*	5,264*	5,946*	6,367*	6,696*	7,644*
Eastern Europe							
Bulgaria	531*	874*	1,028*	1,165*	1,367*	1,394*	1,383*
Czechoslovakia	1,294*	1,961*	1,923*	1,929*	2,219*	2,373*	2,587*
East Germany	1,620*	2,046*	2,307*	2,394*	2,558*	2,976*	*N.A.*
Hungary	687*	1,018*	1,016*	1,183*	1,235*	1,306*	1,617*
Poland	949*	1,548*	1,604*	1,737*	1,838*	2,114*	2,473*
Romania	474*	660*	694*	754*	827*	888*	*N.A.*
Far East							
Communist China [b c]	1,285*	515*	505*	340*	340*	300*	350*
North Korea [c]	160*	180*	170*	192*	256*	291*	330* [d]
North Vietnam	118 [d]	180 [c]	238 [c]	349 [c]	408 [c]	426 [c]	400 [c]
Other							
Albania	77*	86* [d]	88* [d]	94* [d]	98* [d]	122* [d]	*N.A.*
Cuba	120*	658*	739*	789*	879*	880*	930* [d]
Yugoslavia	212*	375*	507*	462*	494*	512*	607 [d]

* *An asterisk indicates that the data are unclassified.*

[a] Official statistics of the countries listed, except where data are estimated. Official statistics for exports and imports are f.o.b. except for Hungary, Cuba, and Yugoslavia, where imports are c.i.f.

[b] Rounded to the nearest US $5 million.

[c] Estimated data based on data of trading partner countries.

[d] Estimated.

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Table 53

Trade of the Communist Countries with the Free World [a]

Million US $

	Exports to the Free World						
	1960	1965	1966	1967	1968	1969	1970
COMMUNIST COUNTRIES							
USSR and Eastern Europe							
USSR	1,352	2,618	2,968	3,275	3,500	3,973	4,433
Eastern Europe							
Bulgaria	91	242	308	323	345	372	418
Czechoslovakia	535	723	817	813	874	1,026	1,129
East Germany	535	773	819	857	888	1,119	N.A.
Hungary	249	452	504	534	504	666	797
Poland	495	819	872	915	979	1,078	1,285
Romania	194	346	451	606	595	663	N.A.
Far East							
Communist China [b c]	625	1,345	1,575	1,455	1,430	1,535	1,625 [d]
North Korea [c]	5	21	32	37	47	51	60 [d]
North Vietnam [c]	16	23	21	12	13	14	16
Other							
Albania	1	5 [d]	5 [d]	6 [d]	9 [d]	8 [d]	N.A.
Cuba	467	149	110	134	161	215	280 [d]
Yugoslavia	383	627	765	793	807	1,016	1,125 [d]

	Imports from the Free World						
	1960	1965	1966	1967	1968	1969	1970
COMMUNIST COUNTRIES							
USSR and Eastern Europe							
USSR	1,650	2,448	2,649	2,591	3,043	3,631	4,095
Eastern Europe							
Bulgaria	102	303	450	407	415	356	432
Czechoslovakia	522	711	813	751	858	921	1,123
East Germany	574	763	908	884	835	1,129	N.A.
Hungary	288	502	550	592	568	622	888
Poland	546	793	890	908	1,015	1,096	1,134
Romania	174	418	519	792	782	853	N.A.
Far East							
Communist China [b c]	745	1,340	1,530	1,605	1,480	1,535	1,750 [d]
North Korea [c]	7	36	32	32	49	94	57 [d]
North Vietnam [c]	10	15	13	6	7	11	9
Other							
Albania	4	19 [d]	19 [d]	15 [d]	18 [d]	21 [d]	N.A.
Cuba	430	208	187	209	216	320	395 [d]
Yugoslavia	614	913	1,068	1,245	1,303	1,622	2,267 [d]

[a] Official statistics of the countries listed, except where data are estimated. Official statistics for exports and imports are f.o.b. except for Hungary, Cuba, and Yugoslavia, where imports are c.i.f.

[b] Rounded to the nearest US $5 million.

[c] Estimated data based on data of trading partner countries.

[d] Estimated.

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Table 54

Direction of Soviet Foreign Trade [a]

Million US $

		Total Trade	Communist Countries					Free World			
			Total	Eastern Europe	Communist China	Other Asian	Other [b]	Total	Developed Countries	Less Developed Countries	Unspecified [c]
1960	Exports	5,563.6	4,211.4	3,074.3	817.1	63.9	256.1	1,352.2	983.1	336.3	32.8
	Imports	5,628.4	3,978.3	2,795.0	848.1	97.8	237.4	1,650.1	1,079.8	564.5	5.8
1961	Exports	5,998.4	4,321.1	3,399.7	367.3	118.3	435.7	1,677.3	1,069.3	498.4	109.6
	Imports	5,827.6	4,146.7	3,044.1	551.4	104.8	446.4	1,680.9	1,092.9	579.2	8.8
1962	Exports	7,030.5	4,905.2	3,971.1	233.4	135.3	565.3	2,125.3	1,115.2	560.0	450.1
	Imports	6,455.4	4,565.5	3,590.3	516.3	118.4	340.4	1,889.9	1,282.8	604.4	2.7
1963	Exports	7,272.4	5,099.4	4,163.3	187.2	138.8	610.1	2,173.0	1,218.1	751.9	203.0
	Imports	7,058.7	4,986.4	4,146.8	413.0	123.4	303.1	2,072.3	1,399.5	664.5	8.2
1964	Exports	7,683.3	5,406.8	4,499.2	135.3	130.6	641.8	2,276.4	1,282.1	774.5	219.8
	Imports	7,736.5	5,346.4	4,450.4	314.2	115.4	466.3	2,390.1	1,734.4	654.1	1.6
1965	Exports	8,174.6	5,556.3	4,552.6	191.7	164.7	647.3	2,618.3	1,438.0	910.7	269.7
	Imports	8,058.3	5,609.8	4,672.6	225.6	118.9	592.8	2,448.4	1,600.8	845.2	2.4
1966	Exports	8,841.0	5,872.8	4,692.0	175.3	153.8	851.8	2,968.2	1,711.4	886.3	370.5
	Imports	7,912.8	5,263.8	4,462.1	143.1	117.7	541.0	2,649.0	1,741.6	903.5	3.8
1967	Exports	9,652.2	6,377.0	5,038.7	50.3	258.0	1,030.0	3,275.2	1,886.1	963.2	425.9
	Imports	8,536.6	5,945.5	5,092.5	56.7	128.9	667.4	2,591.1	1,782.1	805.1	3.9
1968	Exports	10,634.2	7,134.0	5,636.1	59.3	331.4	1,107.2	3,500.2	2,051.2	948.0	501.0
	Imports	9,409.9	6,367.0	5,643.6	36.7	138.8	548.0	3,042.9	2,143.6	885.0	14.2
1969	Exports	11,655.3	7,682.0	6,198.4	27.8	390.9	1,065.0	3,973.3	2,230.2	1,167.5	575.5
	Imports	10,326.7	6,696.0	6,011.4	29.0	143.4	512.2	3,630.6	2,494.5	1,119.0	17.1

[a] Official Soviet statistics. Exports and imports are f.o.b.
[b] Other Communist countries include Yugoslavia, Mongolia, Cuba, and Albania.
[c] Including data for Hong Kong.

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Table 55

Soviet Exports, by Commodity [a]

Value in Million US $

	1960		1965	1966	1967	1968	1969	
	Value	Percent	Value	Value	Value	Value	Value	Percent
Total exports	**5,563.6**	**100.0**	**8,174.6**	**8,841.0**	**9,652.2**	**10,634.2**	**11,655.3**	**100.0**
Machinery and equipment	1,141.2	20.5	1,635.8	1,838.2	2,035.9	2,301.7	2,623.2	22.5
Complete plants	568.5	10.2	613.5	641.3	720.8	819.4	961.3	8.2
Fuels, lubricants, and related materials	901.8	16.2	1,386.4	1,429.5	1,527.9	1,675.2	1,777.4	15.2
Coal and coke	242.1	4.4	381.3	358.8	351.1	340.6	368.5	3.2
Petroleum and petroleum products	657.9	11.8	998.9	1,064.2	1,156.1	1,306.6	1,367.2	11.7
Ores and concentrates	242.9	4.4	310.0	302.2	325.9	357.7	367.1	3.1
Iron ore	175.0	3.1	250.7	241.7	261.6	290.4	295.3	2.5
Base metals and manufactures	837.1	15.0	1,330.0	1,345.6	1,339.3	1,450.9	1,745.7	15.0
Ferrous metals	642.3	11.5	998.3	965.5	974.7	1,013.3	1,177.9	10.1
Rolled ferrous metals [b]	428.8	7.7	659.4	632.7	643.7	663.4	780.3	6.7
Nonferrous metals	194.9	3.5	331.8	380.1	364.6	437.6	567.8	4.9
Aluminum	35.1	0.6	110.9	118.6	120.9	137.8	159.1	1.4
Tin	24.6	0.4	*Negl.*	*Negl.*	*Negl.*	*Negl.*	.....	.....
Chemicals	146.3	2.6	245.3	277.6	327.8	371.7	378.0	3.2
Wood and wood products	305.1	5.5	593.6	622.1	626.4	683.2	724.4	6.2
Lumber	182.8	3.3	312.2	307.6	282.6	292.3	306.5	2.6
Textile raw materials and semimanufactures	358.6	6.4	421.3	460.1	451.3	479.4	402.9	3.5
Cotton fiber	288.7	5.2	334.7	367.7	373.1	403.9	323.7	2.8
Consumer goods	903.0	16.2	904.3	1,046.2	1,375.1	1,328.1	1,480.4	12.7
Food	698.3	12.6	664.0	785.9	1,085.8	1,031.0	1,175.3	10.1
Grain	467.8	8.4	270.3	232.0	450.4	382.7	497.6	4.3
Other consumer goods	204.6	3.7	240.4	260.3	289.3	297.1	305.0	2.6
Other merchandise	200.5	3.6	240.0	306.5	366.9	390.9	396.4	3.4
Unspecified	527.2	9.5	1,107.8	1,209.9	1,275.8	1,595.6	1,759.9	15.1

[a] Official Soviet statistics. Exports are f.o.b.
[b] Excluding pipes.

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Table 56

Soviet Imports, by Commodity [a]

Value in Million US $

	1960		1965	1966	1967	1968	1969	
	Value	Percent	Value	Value	Value	Value	Value	Percent
Total imports	**5,628.4**	**100.0**	**8,058.3**	**7,912.8**	**8,536.6**	**9,409.9**	**10,326.7**	**100.0**
Machinery and equipment	1,675.2	29.8	2,692.2	2,564.8	2,916.9	3,474.5	3,873.1	37.5
Transportation equipment	658.1	11.7	990.0	943.7	928.6	1,048.5	1,119.2	10.8
Fuels, lubricants, and related materials	237.3	4.2	198.5	184.5	188.0	177.5	203.1	2.0
Coal and coke	93.5	1.7	123.0	127.4	134.5	122.0	127.0	1.2
Petroleum and petroleum products	143.7	2.6	75.5	57.1	52.3	46.6	64.1	0.6
Ores and concentrates	314.0	5.6	315.5	300.5	313.7	187.4	224.0	2.2
Base metals and manufactures	545.9	9.7	393.1	307.8	355.2	452.9	554.5	5.4
Ferrous metals	373.9	6.6	317.9	249.4	295.2	376.3	475.9	4.6
Rolled ferrous metals [b]	178.8	3.2	136.0	99.2	145.1	202.7	252.4	2.4
Nonferrous metals	172.0	3.1	75.2	58.4	59.9	76.6	78.7	0.8
Tin	34.8	0.6	21.0	16.0	18.4	21.7	23.1	0.2
Copper	71.9	1.3	0.5	7.6	1.4	11.4	0.4	*Negl.*
Chemicals	149.4	2.7	375.4	398.4	468.0	535.7	591.9	5.7
Rubber and rubber products	195.9	3.5	198.9	206.6	182.8	172.1	193.1	1.9
Wood and wood products	104.8	1.9	150.3	152.2	187.8	195.4	218.6	2.1
Textile raw materials and semimanufactures	364.5	6.5	357.9	374.7	343.3	368.1	441.2	4.3
Cotton fiber	179.9	3.2	161.7	140.4	112.6	118.9	149.4	1.4
Wood fiber	118.0	2.1	100.0	117.9	88.7	109.1	117.8	1.1
Consumer goods	1,566.9	27.8	2,656.6	2,724.8	2,867.6	2,957.7	3,075.7	29.8
Food	608.0	10.8	1,511.0	1,443.9	1,242.0	1,164.9	1,184.6	11.5
Wheat and wheat flour	9.6	0.2	424.8	515.1	151.2	124.6	30.0	0.3
Other consumer goods	958.8	17.0	1,145.6	1,280.9	1,625.6	1,792.8	1,891.1	18.3
Other merchandise	374.7	6.7	480.3	478.9	488.7	468.2	498.7	4.8
Unspecified	99.9	1.7	239.4	219.6	224.8	420.5	452.8	4.4

[a] Official Soviet statistics. Imports are f.o.b.
[b] Excluding pipes.

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Table 57

Soviet Exports of Petroleum [a]

	1960	1965	1966	1967	1968	1969 [b]	1970 [b]
							Million Metric Tons
Total petroleum	33.2*	64.4*	73.6*	79.0*	86.2*	90.8*	95
Free World	18.0*	35.5*	41.4*	43.7*	44.7*	43.2*	45
Communist Countries	15.2*	28.9*	32.2*	35.4*	41.5*	47.6*	50
Eastern Europe	9.2*	22.4*	25.3*	27.7*	32.4*	37.9*	41
Crude oil	17.8*	43.4*	50.3*	54.1*	59.2*	63.4*	67
Free World	9.0*	21.0*	24.8*	26.8*	26.7*	26.0*	26
Communist Countries	8.8*	22.4*	25.5*	27.3*	32.5*	38.4*	41
Eastern Europe	6.2*	18.3*	21.0*	22.6*	27.3*	33.2*	36
Petroleum products	15.4*	21.0*	23.3*	24.9*	27.0*	26.4*	28
Free World	9.0*	14.5*	16.6*	16.9*	18.0*	17.2*	19
Communist Countries	6.4*	6.5*	6.7*	8.1*	9.0*	9.2*	9
Eastern Europe	3.0*	4.1*	4.3*	5.0*	5.0*	4.7*	5
							Million US $
Total petroleum	657.9*	998.9*	1,064.2*	1,156.1*	1,306.6*	1,367.2*	1,450
Free World	250.1*	422.3*	486.9*	540.6*	587.2*	551.9*	610
Communist Countries	407.8*	576.6*	577.3*	615.6*	719.4*	815.3*	840
Eastern Europe	239.7*	469.6*	465.7*	490.2*	566.6*	639.6*	675
Crude oil	275.7*	612.0*	657.4*	713.0*	798.3*	890.2*	925
Free World	101.5*	214.6*	252.0*	295.4*	308.7*	304.9*	310
Communist Countries	174.2*	397.4*	405.4*	417.6*	489.6*	585.3*	615
Eastern Europe	137.2*	348.3*	352.2*	363.2*	437.8*	521.0*	545
Petroleum products	382.2*	386.9*	406.9*	443.1*	508.3*	477.0*	525
Free World	148.6*	207.7*	234.9*	245.2*	278.5*	247.0*	300
Communist Countries	233.6*	179.2*	172.0*	198.0*	229.8*	230.0*	225
Eastern Europe	102.5*	121.3*	113.5*	127.0*	128.8*	118.6*	130

* *An asterisk indicates that the data are unclassified.*

[a] Except for the terminal year, data are official Soviet statistics. Data for the Free World are derived as residuals and include exports for which the importing country is not specified.

[b] Including crude oil obtained by the USSR from Free World sources and exported to other Communist countries on Soviet account. The quantities involved are estimated to have been 1.5 million metric tons in 1969 and 2.5 million metric tons in 1970.

Table 58

Soviet Imports of Chemical Equipment

Million US $

	1960	1965	1966	1967	1968	1969
Total	185.6*	208.2*	231.1*	291.8*	309.5*	256.1*
Eastern Europe	49.1*	97.7*	83.8*	115.1*	105.1*	101.0*
Of which:						
Czechoslovakia	24.3*	48.7*	34.9*	51.8*	31.0*	38.4*
East Germany	18.4*	17.9*	23.6*	31.7*	43.2*	36.2*
Developed Countries	136.4*	110.6*	147.3*	176.7*	204.4*	155.1*
Of which:						
France	17.7*	13.4*	19.6*	40.4*	46.7*	24.0*
Italy	22.9*	16.8*	11.3*	11.3*	9.7*	36.2*
Japan	4.0*	6.6*	20.8*	23.8*	23.7*	21.5*
United Kingdom	39.2*	43.7*	58.4*	49.9*	65.8*	29.8*
West Germany	41.6*	18.3*	24.8*	12.1*	25.5*	18.8*

* *An asterisk indicates that the data are unclassified.*

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Table 59

Direction of Chinese Communist Foreign Trade

Million US $ [a]

		Total Trade	Communist Countries				Free World Countries			
			Total	Eastern Europe	USSR	Other [b]	Total	Developed Countries	Less Developed Countries	Hong Kong and Macao
1958.....	Exports.....	1,910	1,250	260	880	110	660	*N.A.*	*N.A.*	*N.A.*
	Imports.....	1,825	1,100	410	635	55	725	*N.A.*	*N.A.*	*N.A.*
1959.....	Exports.....	2,205	1,595	330	1,100	165	615	*N.A.*	*N.A.*	*N.A.*
	Imports.....	2,060	1,365	325	955	85	695	*N.A.*	*N.A.*	*N.A.*
1960.....	Exports.....	1,945	1,320	295	850	175	625	240	245	140
	Imports.....	2,030	1,285	335	815	135	745	505	235	*Negl.*
1961.....	Exports.....	1,525	960	140	550	270	560	220	225	115
	Imports.....	1,495	715	160	365	190	775	600	175	*Negl.*
1962.....	Exports.....	1,525	915	105	515	295	605	210	260	140
	Imports.....	1,150	490	65	235	190	660	475	185	*Negl.*
1963.....	Exports.....	1,570	820	115	415	290	755	265	305	185
	Imports.....	1,200	430	50	185	195	770	580	190	*Negl.*
1964.....	Exports.....	1,750	710	100	315	295	1,040	415	350	270
	Imports.....	1,470	390	60	135	195	1,080	685	395	*Negl.*
1965.....	Exports.....	1,995	650	95	225	330	1,345	560	425	355
	Imports.....	1,855	515	105	190	220	1,340	920	415	5
1966.....	Exports.....	2,170	595	130	145	320	1,575	705	470	400
	Imports.....	2,035	505	140	175	190	1,530	1,140	385	5
1967.....	Exports.....	1,915	460	110	55	295	1,455	635	510	310
	Imports.....	1,945	340	135	50	155	1,605	1,345	260	*Negl.*
1968.....	Exports.....	1,890	460	140	35	285	1,430	620	485	325
	Imports.....	1,820	340	135	60	145	1,480	1,250	230	*Negl.*
1969.....	Exports.....	2,020	485	145	30	310	1,535	685	510	340
	Imports.....	1,835	300	120	25	155	1,535	1,245	290	*Negl.*
1970 [c].....	Exports.....	2,150	525	160	25	340	1,625	710	545	370
	Imports.....	2,100	350	155	20	175	1,750	1,450	300	*Negl.*

[a] Rounded to the nearest US $5 million.

[b] Other Communist countries include Yugoslavia, Mongolia, Albania in 1961–70, and Cuba in 1960–70. Albania is included in the East European Communist countries before 1961, and Cuba is included in the less developed countries of the Free World before 1960.

[c] Preliminary.

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Table 60

Chinese Communist Exports, by Commodity [a]

Million US $ [b]

	1967				1968				1969 [c]			
			Communist Countries				Communist Countries				Communist Countries	
	Total	Free World	USSR	Other	Total	Free World	USSR	Other	Total	Free World	USSR	Other
Total	1,915	1,455	55	405	1,890	1,430	35	425	2,020	1,535	30	455
Foodstuffs	505	435	15	55	525	450	10	65	615	535	5	75
Animals, meat, and fish	170	150	*Negl.*	20	175	150	0	25	210	185	0	25
Grains	140	115	0	25	125	100	0	25	115	85	0	30
Fruit and vegetables	125	105	10	10	140	115	10	15	175	155	0	15
Crude materials, fuels, and edible oils	435	380	5	50	405	350	*Negl.*	55	450	385	0	65
Oilseeds	90	90	0	0	85	85	0	0	75	75	0	0
Textile fibers	100	90	0	10	90	80	0	10	120	110	0	10
Crude animal materials	75	50	0	25	95	65	0	30	130	95	0	35
Chemicals	85	60	5	20	85	60	5	20	90	65	0	25
Manufactures	830	520	30	280	815	510	20	285	830	515	25	290
Textile yarn and fabrics	245	180	5	60	260	190	5	65	305	230	5	70
Clothing	160	50	25	85	170	70	15	85	195	90	15	90
Iron and steel	70	40	0	30	25	*Negl.*	0	25	35	10	0	25
Nonferrous metals	35	25	*Negl.*	10	25	15	*Negl.*	10	35	25	0	10
Other	60	60	0	0	60	60	0	0	35	35	0	0

[a] Free World estimates are based on reasonably complete statistics and adjusted to show Chinese exports f.o.b. Data for the USSR are drawn from official Soviet statistics. Estimates for other Communist countries are based on fragmentary reports and trade agreements.

[b] Rounded to the nearest $5 million.

[c] Preliminary.

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Table 61

Chinese Communist Imports, by Commodity [a]

Million US $ [b]

	1967				1968				1969 [c]			
			Communist Countries				Communist Countries				Communist Countries	
	Total	Free World	USSR	Other	Total	Free World	USSR	Other	Total	Free World	USSR	Other
Total	**1,945**	**1,605**	**50**	**290**	**1,820**	**1,480**	**60**	**280**	**1,835**	**1,535**	**25**	**275**
Foodstuffs	380	305	0	75	410	335	0	75	350	280	0	70
Grain	295	295	0	0	305	305	0	0	260	260	0	0
Crude materials, fuels, and edible oils	320	255	5	60	300	235	5	60	310	255	0	55
Rubber	75	75	0	0	85	85	0	0	145	145	0	0
Textile fibers	150	150	0	0	100	100	0	0	90	90	0	0
Chemicals	285	280	*Negl.*	5	315	310	*Negl.*	5	310	305	0	5
Fertilizer	200	200	0	0	200	200	0	0	205	205	0	0
Manufactures	940	760	40	140	775	590	50	135	850	685	25	140
Textile yarn and fabrics	45	45	0	0	40	40	0	0	30	30	0	0
Iron and steel	325	295	10	15	265	240	10	15	275	255	5	15
Nonferrous metals	85	75	5	5	125	115	5	5	190	185	0	5
Machinery and equipment	380	245	25	110	275	135	35	105	240	110	20	110
Other	20	5	5	10	20	10	5	5	15	10	0	5

[a] Free World estimates are based on reasonably complete statistics and adjusted to show Chinese imports c.i.f. Data for the USSR are drawn from official Soviet statistics. Estimates for other Communist countries are based on fragmentary reports and trade agreements.

[b] Rounded to the nearest $5 million.

[c] Preliminary.

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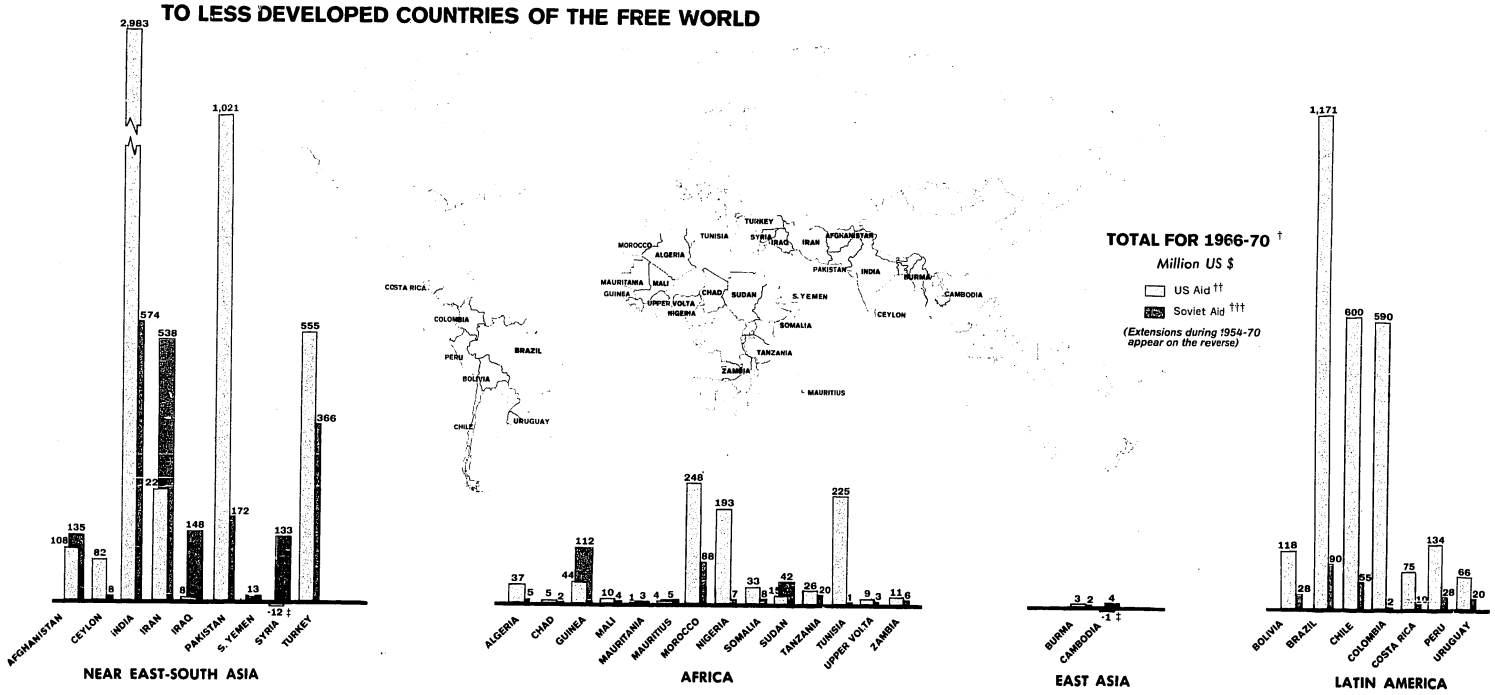
Figure 12

US AND SOVIET ECONOMIC AID EXTENDED TO LESS DEVELOPED COUNTRIES OF THE FREE WORLD



† Except for Southern Yemen, these data include only those less developed countries to which both US aid and Soviet aid were extended during 1966-70 (all those to which Soviet aid was extended but not all to which US aid was extended). US data are for 1 July 1966 to 1 July 1970.

†† Including economic and technical assistance and defense support obligations under the Foreign Assistance Act and antecedent legislation, authorized Inter-American Development Bank loans, PL 480 funds earmarked for shipments of surplus agricultural products, authorized long-term Export-Import Bank loans, and US contributions to international organizations.

††† Data are for extensions, not actual drawings, and include credits and grants.

‡ A minus sign indicates deobligations in excess of new obligations.

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Figure 12 (Continued)

ECONOMIC EXTENSIONS DURING 1954-70†

Million US $

	US AID ††						SOVIET AID †††					
	1966	1967	1968	1969	1970	Total 1954-70	1966	1967	1968	1969	1970	Total 1954-70
Africa	264.9	258.4	193.1	279.2	214.7	3,110.9	83.4	26.2	5.4	134.8	56.1	1,112.5
Algeria	19.2	13.2	−0.2‡	2.0	2.4	180.4	5.4					237.5
Cameroon	2.1	1.4	0.6	3.7	0.2	32.9						7.8
Central African Republic	0.6	0.9	0.3	0.3	0.4	5.4					N.A.	N.A.
Chad	1.2	1.9	1.0	0.8	0.4	9.2			2.2			2.2
Congo (B)	−0.2‡	−0.2‡		Negl.	0.3	2.3						13.9
Ethiopia	50.7	18.2	8.8	−0.2‡	18.6	239.5						101.8
Ghana	9.3	35.1	25.7	35.4	31.9	280.7						93.0
Guinea	6.2	−0.5‡	4.2	33.3	1.2	108.2	2.7	16.7		92.2		199.7
Kenya	19.3	4.0	4.4	3.6	12.2	78.3						48.7
Mali	2.2	2.7	0.2	4.0	1.2	23.9	3.2			0.8		63.7
Mauritania	0.2	0.3	−Negl.‡			3.3		3.3				3.3
Mauritius	0.1	0.1	0.9	0.2	2.6	4.1					5.0	5.0
Morocco	57.9	41.0	72.7	43.6	32.5	720.8	43.6				44.4	88.0
Nigeria	29.3	18.2	22.3	76.4	46.7	352.3			N.A.		6.7	6.7
Senegal	5.7	6.8	3.4	3.1	2.6	37.3						6.7
Sierra Leone	5.2	3.6	3.7	4.2	2.4	45.6						28.0
Somalia	5.0	16.1	5.2	3.4	3.0	79.8	8.5					63.2
Sudan	18.0	19.6	−19.3‡	−3.1‡	−0.1‡	102.5				41.8		64.8
Tanzania	6.3	6.4	5.5	3.0	4.7	69.7	20.0					20.0
Tunisia	20.5	53.7	48.0	56.5	46.5	662.6		0.6				34.1
Uganda	3.8	7.0	2.5	5.5	3.1	39.1						15.6
Upper Volta	1.3	2.9	2.1	1.0	1.7	14.5			3.2			3.2
Zambia	1.0	6.0	1.1	2.5	0.2	18.5		5.6				5.6
East Asia	76.7	112.6	164.5	293.2	261.3	1,989.5	3.5	0	0	1.7	0	374.0
Burma	0.5	0.5	0.3	0.9	0.5	73.0				1.7		15.4
Cambodia	−0.4‡	−0.3‡	−0.3‡	−0.2‡	Negl.	254.2	3.5					24.9
Indonesia	21.8	57.5	101.8	242.4	208.0	968.4						332.2
Laos‡‡	54.8	54.9	62.7	50.1	52.8	693.9						1.5
Near East and South Asia	1,366.9	1,155.7	1,147.8	693.9	831.0	18,304.0	1,099.1	209.4	371.4	320.0	88.5	5,281.8
Afghanistan	32.0	31.1	15.2	21.8	7.9	381.4	0.9	5.0	126.7		2.8	700.2
Ceylon	14.0	10.4	23.5	29.5	5.0	166.6					8.4	39.0
Greece	−0.7‡	1.7	0.7		4.0	547.3						7.7
India	900.7	583.2	618.6	441.9	438.9	8,345.3	574.2					1,611.8
Iran	20.6	105.9	41.1	7.5	48.1	977.3	305.5		177.8		54.4	578.3
Iraq	5.1	2.4	Negl.	0.3	0.2	51.7		4.4		120.7	22.5	331.5
Jordan	44.4	45.1	18.5	11.0	11.6	593.2				N.A.		N.A.
Nepal	21.1	7.1	11.1	11.9	15.0	151.7						20.8
Pakistan	141.9	230.3	353.1	83.4	212.7	3,796.3	85.2		66.9	20.2		266.5
Southern Yemen										13.1		13.1
Syria	0.4	−11.7‡	−0.7‡	0.3	0.1	60.1	133.3					233.3
Turkey	159.3	151.6	70.0	86.6	87.3	2,310.5		200.0		166.0		371.2
United Arab Republic	25.1	−3.5‡	−2.1‡	−0.3‡		879.7						1,010.0
Yemen	2.7	2.1	−1.2‡	−Negl.‡	0.2	42.9					0.4	98.4
Latin America	669.4	747.3	640.8	403.8	435.3	7,807.9	90.0	54.8	2.5	20.0	65.8	277.4
Argentina	27.7	1.3	32.1	58.5	23.3	680.3						44.3
Bolivia	36.4	28.1	14.7	33.2	5.2	500.5					27.5	27.5
Brazil	344.5	268.8	325.4	33.9	198.4	3,058.2	90.0					90.0
Chile	104.3	263.3	103.2	100.4	29.2	1,448.1		54.8				54.8
Colombia	93.6	135.9	104.7	128.1	127.2	1,192.6			2.5			2.5
Costa Rica	13.9	14.3	10.5	18.0	18.6	199.7					10.0	10.0
Peru	42.3	32.4	16.9	28.0	14.1	597.0					28.3	28.3
Uruguay	6.7	3.2	33.3	3.7	19.3	131.5				20.0		20.0
Total	2,377.9	2,274.0	2,146.2	1,670.1	1,742.3	31,212.3	1,276.0	290.4	379.3	476.5	210.4	7,045.7

† Except for Southern Yemen, these data include only those less developed countries to which both US aid and Soviet aid were extended during 1954-70 (all those to which Soviet aid was extended but not all to which US aid was extended). US data are for 1 July 1954 to 1 July 1970.

†† Including economic and technical assistance and defense support; obligations under the Foreign Assistance Act and antecedent legislation, authorized Inter-American Development Bank loans, PL 480 funds earmarked for shipments of surplus agricultural products, authorized long-term Export-Import Bank loans, and US contributions to international organizations.

††† Data are for extensions, not actual drawings, and include credits and grants.

‡ A minus sign indicates deobligations in excess of new obligations.

‡‡ Credits extended after the formation of the Laos Coalition Government under the Geneva Accord of July 1962.

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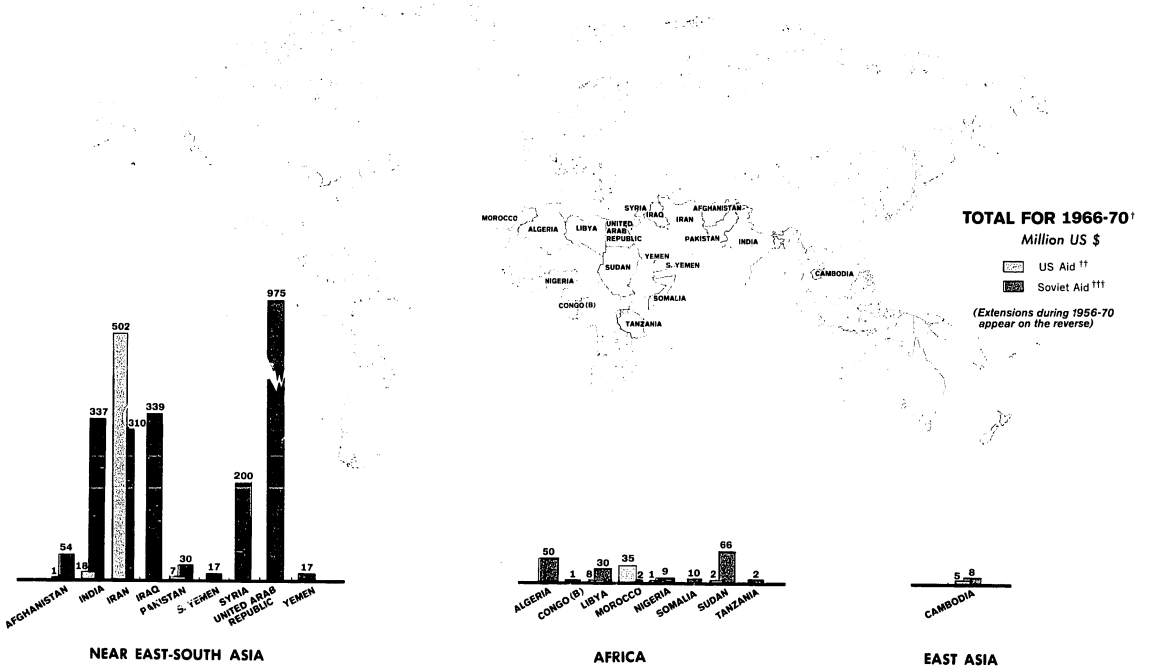
US AND SOVIET MILITARY AID TO LESS DEVELOPED COUNTRIES OF THE FREE WORLD

Figure 13



† Including only those less developed countries of the Free World where Soviet aid has been extended during 1966-70 but not all those countries receiving US aid. US data are for 1 July 1966 to 1 July 1970.

†† Data represent deliveries of military equipment, supplies, and services under the Military Assistance Program and antecedent legislation.

††† Data are for extensions, not actual drawings, and include credits and grants.

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Figure 13 (Continued)

MILITARY AID DURING 1956-70†

Million US $

	US AID ††						SOVIET AID †††					
	1966	1967	1968	1969	1970	Total 1956-70	1966	1967	1968	1969	1970	Total 1956-70
Africa	6.7	15.8	9.3	6.9	9.3	91.?	4	0	126	0	40	497
Algeria									50			295
Burundi											Negl.	Negl.
Congo (B)									1			3
Ghana			Negl.	Negl.	0.1	0.2						10
Guinea	0.7	0.2				0.9						10
Libya	1.7	2.6	1.6	1.3	0.3	17.4					30	30
Mali	0.5	0.7			Negl.	2.8						4
Morocco	3.1	10.5	7.5	5.4	8.9	66.9	2					13
Nigeria	0.4	0.2	0.2	Negl.	Negl.	1.5			9			9
Somalia											10	45
Sudan	0.3	1.6	Negl.	0.2		2.2			66			66
Tanzania							2					2
Uganda												10
East Asia	0.7	0.7	3.1	3.8	8.8	173.6	2	0	6	0	N.A.	1,104
Burma											N.A.	N.A.
Cambodia					4.8	96.0	2		6			12
Indonesia	0.7	0.7	3.1	3.8	4.0	77.6						1,092
Near East and South Asia	101.2	80.8	90.9	166.8	88.6	2,060.0	365	559	263	262	830	4,867
Afghanistan	0.2	0.1	0.3	0.3	0.2	4.0	10	44				280
Cyprus												26
India	6.9	5.4	2.5	1.6	1.6	101.3	149		38	150		768
Iran	93.5	75.2	85.8	162.6	85.2	1,246.4		150		10	150	310
Iraq	0.2	0.1	Negl.			41.3	181	80	8	45	25	722
Pakistan	0.4	Negl.	2.3	2.3	1.6	666.9			30			30
Southern Yemen									7	5	5	17
Syria	Negl.	Negl.	Negl.			0.1	25	100	75			502
United Arab Republic								175	100	50	650	2,135
Yemen						Negl.		10	5	2		77
Total	108.6	97.3	103.3	177.5	106.7	2,325.5	371	559	395	262	870	6,468

† Including only those less developed countries of the Free World where Soviet aid has been extended since the inception of the USSR's aid program in 1956, but not all those countries receiving US aid. US data are for 1 July 1956 to 1 July 1970.

†† Data represent deliveries of military equipment, supplies, and services under the Military Assistance Program and antecedent legislation.

††† Data are for extensions, not actual drawings, and include credits and grants. Approximately 84% of Soviet military aid extensions have been drawn by the less developed countries: Indonesia, India, Iran, and Iraq account for four-fifths of the aid not yet drawn.

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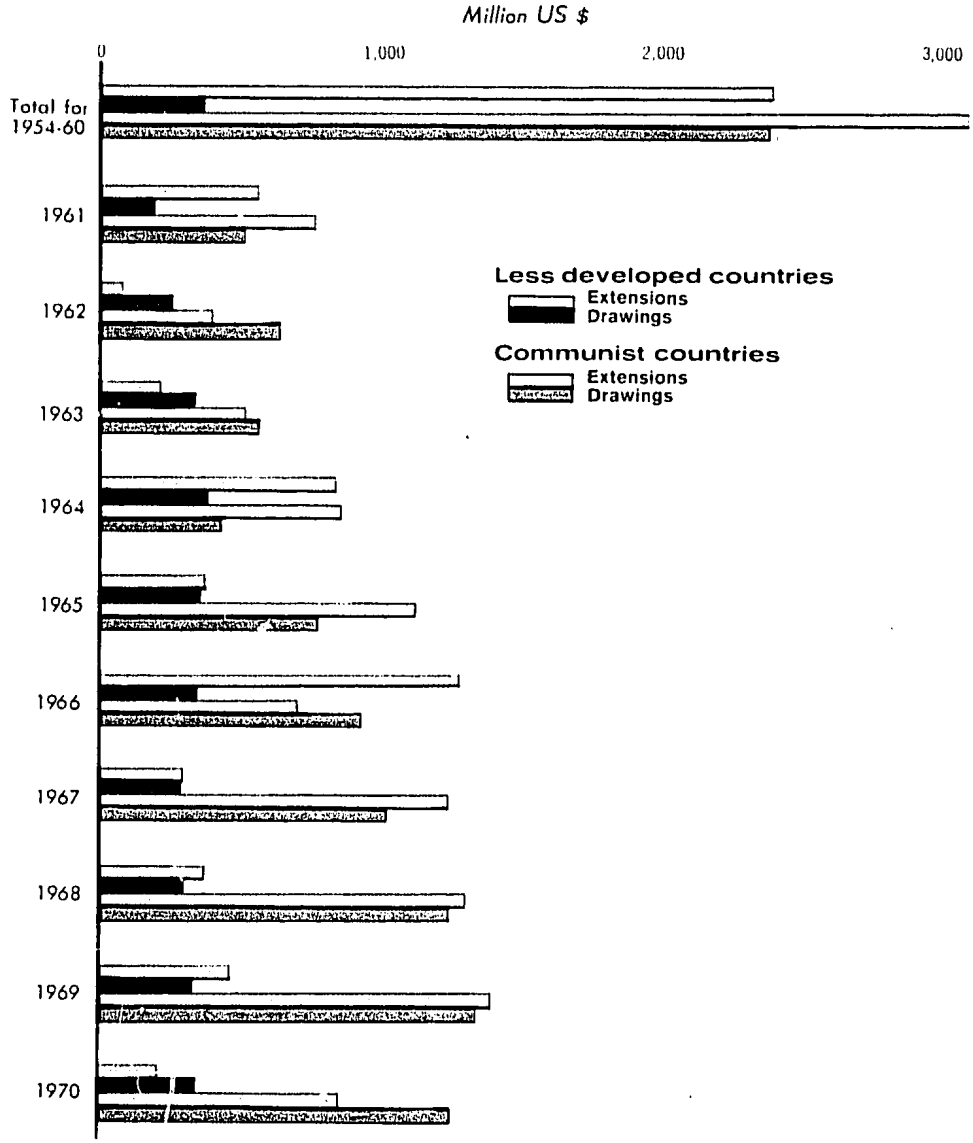
Figure 14

SOVIET ECONOMIC AID

MILLION US $

	Total for 1954-60	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	Total
Less developed countries												
Extensions	2,379	551	70	217	825	371	1,276	270	379	476	210	7,046
Drawings	362	183	254	345	377	355	338	284	296	332	341	3,467
Communist countries												
Extensions	3,109	759	390	511	843	1,116	693	1,242	1,305	1,398	845	12,212
Drawings	2,374	521	642	568	419	767	917	1,012	1,249	1,349	1,257	11,073



1 Excluding data for Eastern Europe prior to 1956 because war reparations and other assets and privileged arrangements obtained by the USSR from these countries created a heavy net flow of capital toward the USSR during these years.

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Table 62

Total Gross Official Bilateral Capital Flows to Less Developed Countries of the Free World, by Recipient [a]
1954–69

Million US $

Recipient	Total	Communist Countries	Development Assistance Committee Members [b]				
			Total	United States	France	United Kingdom	Other [c]
Total	**82,464**	**4,570**	**77,894**	**46,697**	**12,473**	**5,494**	**13,230**
Near East and South Asia	**27,973**	**3,456**	**24,517**	**18,095**	**133**	**1,616**	**4,673**
Afghanistan	993	574	419	258	.....	4	157
India	11,610	1,026	10,584	7,609	11	814	2,150
Iran	1,176	184	992	834	*N.A.*	23	135
Iraq	208	150	58	51	*N.A.*	.....	7
Pakistan	4,834	120	4,714	3,575	*N.A.*	270	869
Syria	248	187	61	32	*N.A.*	1	28
Turkey	2,501	41	2,460	1,936	28	93	403
United Arab Republic	2,331	892	1,439	1,110	19	10	300
Yemen	170	114	56	52	*N.A.*	.....	4
Other	3,902	168	3,734	2,638	75	401	620
Africa	**17,755**	**575**	**17,180**	**3,566**	**8,976**	**2,311**	**2,327**
Algeria	3,981	91	3,890	171	3,701	.....	18
Guinea	263	143	120	85	2	.....	33
Other	13,511	341	13,170	3,310	5,273	2,311	2,276
East Asia	**15,932**	**440**	**15,492**	**12,377**	**322**	**293**	**2,500**
Indonesia	2,259	304	1,955	874	59	11	1,011
South Korea	4,090	.....	4,090	3,699	.....	2	389
South Vietnam	4,233	.....	4,233	4,125	45	4	59
Other	5,350	136	5,214	3,679	218	276	1,041
Latin America	**13,026**	**99**	**12,927**	**9,798**	**922**	**538**	**1,669**
Brazil	3,067	48	3,019	2,608	44	16	351
Chile	1,472	.....	1,472	1,230	15	19	208
Other	8,487	51	8,436	5,960	863	503	1,110
Europe	**1,875**	.....	**1,875**	**1,395**	**78**	**215**	**187**
Other [d]	**5,903**	.....	**5,903**	**1,466**	**2,042**	**521**	**1,874**

[a] Total gross official capital flows include grants (less reparation and indemnification payments); gross loans with maturities of five years or more (Development Assistance Committee (DAC) member flows include gross loans with maturities of one to five years for the period 1965–69, but these amount to less than 4% of the total for that period); and net grant-like flows (loans repayable in recipients' currencies and transfers of resources through sales for recipients' currencies).

[b] Members of the Organization for Economic Cooperation and Development.

[c] Including Australia, Austria, Belgium, Canada, Denmark, Italy, Japan, Norway, the Netherlands, Sweden, Switzerland, and West Germany. Data for Japan for the period 1954–68 exclude Japanese Eximbank and Overseas Economic Cooperation Fund supplier credits. Portugal, a DAC member, is counted as a recipient where information is available. Australia became a member of the DAC in 1966, and its bilateral flows are counted since 1965.

[d] Countries not specified by region.

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Table 63

Total Gross Official Bilateral Capital Flows to Less Developed Countries of the Free World,[a] by Donor

Million US $

	Total 1954-69	1954-60	1961	1962	1963	1964	1965	1966	1967	1968	1969
Total Official Bilateral Flows	**82,464**	**22,104**	**6,005**	**5,585**	**6,026**	**6,355**	**6,756**	**7,023**	**7,338**	**7,390**	**7,882**
Development Assistance Committee[b]	**77,894**	**21,573**	**5,768**	**5,229**	**5,601**	**5,797**	**6,233**	**6,509**	**6,839**	**6,934**	**7,411**
United States	46,697	13,602	3,886	3,474	3,680	3,479	3,665	3,799	3,804	3,775	3,533
France	12,473	5,039	838	795	718	768	793	791	828	913	990
United Kingdom	5,494	1,370	433	385	397	493	490	530	508	458	430
West Germany	5,026	540	327	319	383	450	521	556	611	643	676
Japan[c]	2,559	242	37	22	78	228	190	204	288	334[d]	936[e]
Other[f]	5,645	780	247	234	345	379	574	629	800	811	846
Communist Countries	**4,570**	**531**	**237**	**356**	**425**	**558**	**523**	**514**	**499**	**456**	**471**
USSR	3,126	361	183	254	345	377	355	338	284	296	332
Eastern Europe	915	102	45	89	59	116	91	87	121	114	90
China	530	68	9	13	22	65	76	89	94	46	49

[a] Total gross official capital flows include grants (less reparation and indemnification payments); gross loans with maturities of five years or more (Development Assistance Committee (DAC) member flows include gross loans with maturities of one to five years for the period 1965-69, but these amount to less than 4% of the total for that period); and net grant-like flows (loans repayable in recipients' currencies and transfers of resources through sales for recipients' currencies).

[b] Members of the Organization for Economic Cooperation and Development.

[c] Data for the period 1954-68 exclude Japanese Eximbank and Overseas Economic Cooperation Fund supplier credits.

[d] Including reparation and indemnification payments of US $46 million.

[e] Including reparation and indemnification payments of US $41 million.

[f] Including Australia, Austria, Belgium, Canada, Denmark, Italy, Norway, the Netherlands, Sweden, and Switzerland. Portugal, a DAC member, is excluded from the donor category and is counted as a recipient where information is available. Australia became a member of the DAC in 1966, and its bilateral flows are counted since 1965.

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Table 64

Soviet Military Aid to Communist Countries [a]

Million US $

	North Vietnam	North Korea	Cuba	Yugoslavia	Total
1954			0	0	
1955			0	0	
1956			0	0	
1957			0	0	
1958			0	0	
1959	70 [b]		0	0	
1960		560 [b]		0	
1961				0	
1962					3,565 [b]
1963					
1964					
1965	210		815 [b]		
1966	360			365 [b]	
1967	505	200 [b]			
1968	290				
1969	120	*Negl.*			
1970	70	*N.A.*			
Total	**1,625** [c]	**760** [d]	**815** [c e]	**365** [f]	**3,565** [g]

[a] Estimated value of military deliveries. Except for Yugoslavia, information on extensions is not available.

[b] Information for individual years is not available.

[c] Believed to be largely or entirely grant aid.

[d] May also include military deliveries on current account, rather than credit.

[e] During 1962–70, Soviet military deliveries to Cuba totaled 308.5 thousand metric tons. Annual deliveries in thousand metric tons are as follows: mid-July to mid-October 1962, 150.0; 1963, 38.7; 1964, 17.5; 1965, 10.8; 1966, 21.4; 1967, 41.1; 1968, 6.2; 1969, 11.5; and 1970, 11.3.

[f] It is estimated that agreements in 1961 and 1962 provided for military deliveries valued at $140 million, and an agreement in late 1964 or early 1965 for another $225 million.

[g] During the period under review, Soviet military deliveries to Eastern Europe are estimated at about $9 billion. Of this amount, about $2 billion represents local costs of Soviet troops in Eastern Europe, presumably assumed by the USSR. The remaining $7 billion likely was exported to Eastern Europe on current account. Between 1955 and 1962, Soviet military deliveries to Communist China are estimated at $1,285 million, but this figure may include Soviet exports on current account.

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Table 65

Soviet Military Aid Delivered [a] to North Vietnam

	1967		1968		1969		1970	
	Quantity (Units)	Soviet Foreign Trade Prices (Million US $)	Quantity (Units)	Soviet Foreign Trade Prices (Million US $)	Quantity (Units)	Soviet Foreign Trade Prices (Million US $)	Quantity (Units)	Soviet Foreign Trade Prices (Million US $)
Total value	.....	**505**	.....	**290**	.....	**120**	.....	**70**
SAM missile systems	.....	**142**	.....	**78**	.....	**6**	.....	**3**
Firing battalions [b]	5	22	10	44	.....	.....	.....	.....
Replacement missiles [c]	4,000	120	1,135	34	200	6	100	3
Aircraft	.....	**16**	.....	**24**	.....	**51**	.....	**3**
MIG-21 jet fighters	20	16	23	21	55	50	.....	.....
MI-4 helicopters	.....	.....	3	1	.....	.....	.....	.....
AN-24 medium transports	.....	.....	.....	.....	1	1	2	2
IL-18 heavy transports	.....	.....	1	2	.....	.....	.....	.....
L-29 trainer	.....	.....	.....	.....	.....	.....	4	1
Naval craft	.....	.....	.....	**Negl.**	.....	**Negl.**	.....	.....
Poluchat- 1-class motor gunboats	.....	.....	2	*Negl.*	.....	.....	.....	.....
Armed cargo carriers	.....	.....	.....	.....	10	*Negl.*	.....	.....
LCU landing craft	.....	.....	.....	.....	5	*Negl.*	.....	.....
Armor	.....	**5**	.....	**Negl.**	.....	**2**	.....	.....
T-54 medium tanks	40	3	.....	.....	.....	.....	.....	.....
PT-76 amphibious tanks	10	1	.....	.....	40	2	.....	.....
BTR-40 armored personnel carriers	40	1	.....	.....	14	*Negl.*	.....	.....
BTR-50 armored personnel carriers	3	*Negl.*	.....	.....	.....	.....	.....	.....
JSU-122 assault guns	.....	.....	.....	.....	3	*Negl.*	.....	.....
SU-76 assault guns	30	*Negl.*	.....	*Negl.*	.....	.....	.....	.....
Artillery	.....	**53**	.....	**6**	.....	**7**	.....	**3**
85-mm antiaircraft artillery	465	19	20	1	.....	.....	10	*Negl.*
57-mm antiaircraft artillery	590	21	55	2	65	2	40	1
37-mm antiaircraft artillery	850	8	95	1	350	3	120	1
14.5-mm antiaircraft artillery	100	*Negl.*	40	*Negl.*	135	1	.....	.....
Field artillery (75-152-mm)	325	5	135	2	40	1	30	1
Radar	**89**	**9**	**120**	**12**	**35**	**4**	**21**	**3**
Trucks and other vehicles	**850**	**4**	**430**	**2**	**1,200**	**6**	**1,430**	**7**
Small arms and other infantry weapons	.....	**1**	.....	**2**	.....	**6**	.....	**3**
Ammunition (metric tons)	**68,000**	**275**	**40,000**	**164**	**9,000**	**37**	**12,000**	**49**

[a] Data refer exclusively to combat materiel, excluding aid designed for war-support purposes.
[b] Price per firing battalion includes an allowance for replacement parts and initial complement of missiles.
[c] Data based on the estimated number of missiles fired with some provision for stockpiling.

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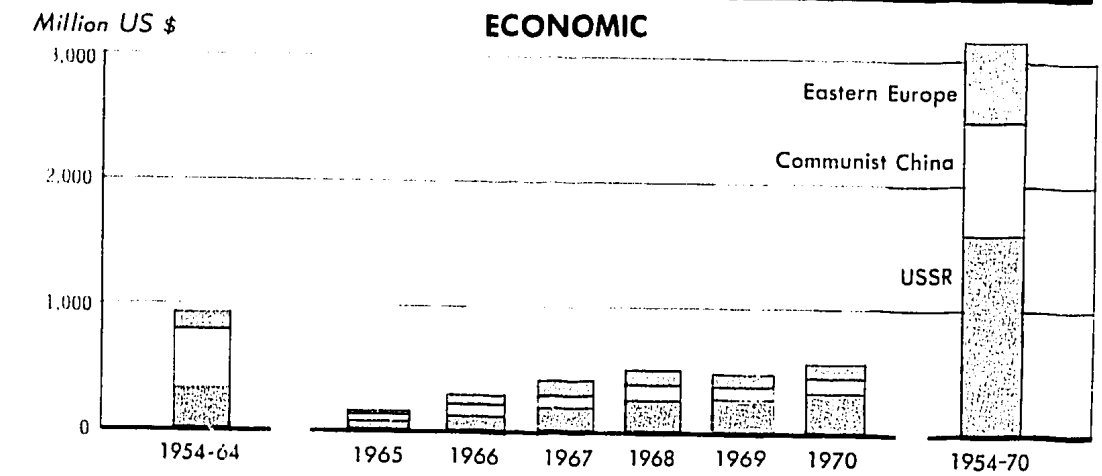
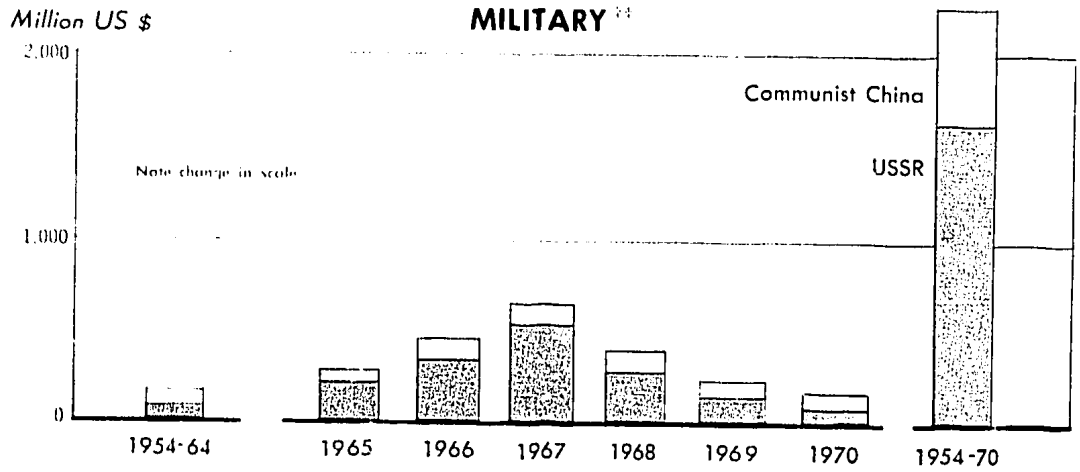
COMMUNIST ECONOMIC AND MILITARY AID DELIVERED TO NORTH VIETNAM[1]

Figure 15

	MILLION US $							
	1954-64	1965	1966	1967	1968	1969	1970	1954-70
ECONOMIC DELIVERIES	950	150	275	380	480	470	535	3,240
USSR	365	85	150	200	240	250	360	1,650
COMMUNIST CHINA	455	50	75	80	100	90	95	945
EASTERN EUROPE	130	15	50	100	140	130	80	645



	MILLION US $							
	1954-64	1965	1966	1967	1968	1969	1970	1954-70
MILITARY DELIVERIES[††]	140	270	455	650	390	225	155	2,290[†††]
USSR	70	210	360	505	290	120	70	1,625
COMMUNIST CHINA	70	60	95	145	100	105	85	660
EASTERN EUROPE	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	5
NORTH KOREA			Negl.	Negl.	Negl.	Negl.	Negl.	Negl.



[1] Data are expressed in Soviet foreign trade prices.

[††] Data refer exclusively to combat materiel; excluding aid designed for war-support purposes.

[†††] Including cumulative value of deliveries from Eastern Europe during 1954-70 estimated at $5 million.

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Table 66

Chinese Communist Military Aid Delivered * to North Vietnam

	1967		1968		1969		1970	
	Quantity (Units)	Soviet Foreign Trade Prices (Million US $)	Quantity (Units)	Soviet Foreign Trade Prices (Million US $)	Quantity (Units)	Soviet Foreign Trade Prices (Million US $)	Quantity (Units)	Soviet Foreign Trade Prices (Million US $)
Total value	.....	145	.....	100	.....	105	.....	85
Aircraft	.....	8	.....	0	.....	11	.....	0
MIG-19 jet fighters	.....	.....	.....	.....	32	11	.....	.....
MIG-15/17 jet fighters	61	8	.....	.....	.....	.....	.....	.....
Naval craft	.....	4	.....	1	.....	0	.....	.....
P-6-class motor torpedo boats	6	4	.....	.....	.....	.....	.....	.....
Huchwan-class hydrofoil motor torpedo boats	.....	.....	1	1	.....	.....	.....	.....
Artillery	.....	8	.....	3	.....	5	.....	3
57-mm antiaircraft artillery	100	4	30	1	35	1	40	1
37-mm antiaircraft artillery	.....	.....	45	*Negl.*	210	2	110	1
14.5-mm antiaircraft artillery	120	1	25	*Negl.*	120	1	40	*Negl.*
Field artillery (76-mm)	475	3	80	1	110	1	45	1
Radar	67	7	50	5	22	2	13	2
Trucks and other vehicles	700	4	400	2	360	1	1,200	6
Small arms and other infantry weapons	.....	22	.....	29	.....	47	.....	23
Ammunition (metric tons)	23,000	94	15,000	62	9,000	37	13,000	53

* Data refer exclusively to combat materiel, excluding aid designed for war-support purposes.

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Table 67

Communist Economic Aid to Less Developed Countries of the Free World, Extensions and Drawings

Million US $

	Total		USSR		Eastern Europe		Communist China	
	Extended	Drawn	Extended	Drawn	Extended	Drawn	Extended	Drawn
1954	10.8	1	5.8	1	5.0	.....	.....	.....
1955	150.7	3	118.4	3	32.3	.....	.....	.....
1956	345.3	37	252.3	9	36.6	8	56.4	21
1957	293.7	62	254.6	36	23.3	19	15.8	7
1958	482.3	128	337.0	97	111.2	26	34.1	5
1959	934.9	151	856.8	109	76.9	17	1.2	25
1960	751.0	149	554.0	107	123.5	32	73.5	10
1961	1,011.7	237	551.1	183	384.0	45	76.6	9
1962	269.0	356	70.2	254	186.5	89	12.3	13
1963	323.4	425	217.0	345	18.3	59	88.1	22
1964	1,466.5	558	824.7	377	330.9	116	310.9	65
1965	1,041.3	523	371.2	355	599.4	91	70.7	76
1966	1,631.6	514	1,276.0	338	236.6	87	119.0	89
1967	501.7	499	290.4	284	161.8	121	49.5	94
1968	610.7	456	379.3	296	177.1	114	54.3	46
1969	940.5	471	476.5	332	452.3	90	11.7	49
1970	1,110.0	475	210.4	341	191.5	88	708.1	45
Total	**11,875.1**	**5,045**	**7,045.7**	**3,467**	**3,147.2**	**1,003**	**1,682.2**	**575**

Table 68

Communist Military Aid to Less Developed Countries of the Free World, Extensions and Drawings

Million US $

	Total		USSR		Eastern Europe		Communist China	
	Extended	Drawn	Extended	Drawn	Extended	Drawn	Extended	Drawn
1955	115	53	.....	.....	115	53	.....	.....
1956	286	246	117	15	169	231	.....	.....
1957	238	136	238	136	.....	.....	.....	.....
1958	473	377	281	195	171	171	21	11
1959	36	109	30	95	1	1	5	13
1960	569	222	556	216	6	.....	7	6
1961	843	336	828	322	15	11	.....	3
1962	416	796	416	786	.....	10	.....	.....
1963	392	577	387	577	5	.....	.....	.....
1964	921	292	901	284	16	6	4	2
1965	376	333	257	321	45	9	74	3
1966	396	541	371	442	15	43	10	56
1967	651	429	559	408	75	21	17	.....
1968	445	438	395	366	45	50	5	22
1969	385	398	262	336	70	36	53	26
1970	912	982	870	912	42	64	*N.A.*	6
Total	**7,454**	**6,265**	**6,468**	**5,411**	**790**	**706**	**196**	**148**

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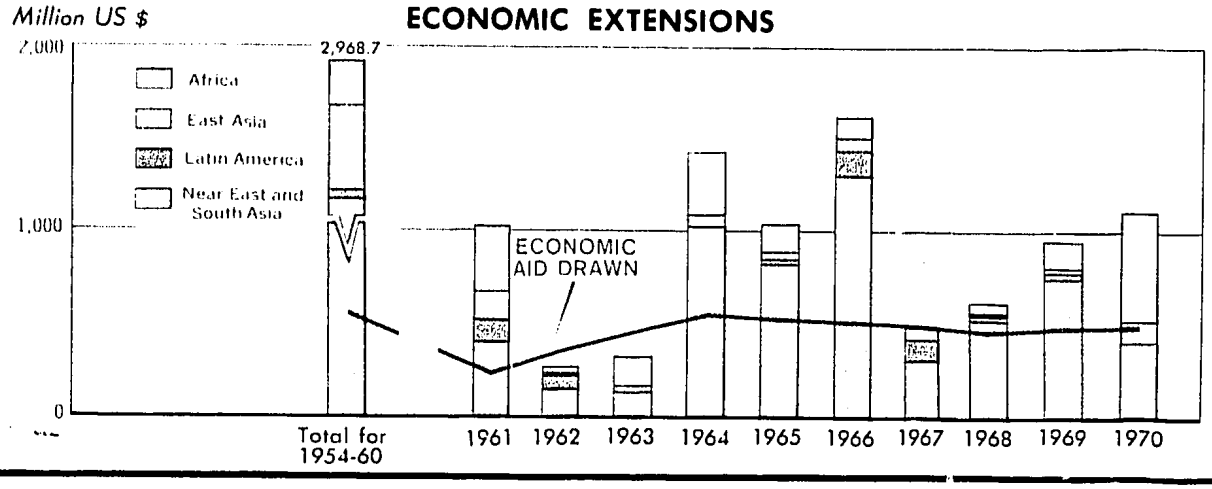
Figure 16

COMMUNIST ECONOMIC AND MILITARY AID TO LESS DEVELOPED COUNTRIES OF THE FREE WORLD EXTENSIONS AND DRAWINGS, BY AREA

MILLION US $

	TOTAL FOR 1954-60	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
ECONOMIC EXTENSIONS	2,968.7	1,011.7	269.0	323.4	1,466.5	1,041.3	1,631.6	501.7	610.7	940.5	1,110.0
AFRICA	277.2	355.7	34.7	184.9	376.2	163.0	126.1	85.9	60.4	157.7	598.1
EAST ASIA	526.6	150.7	6.8	20.4	61.1	34.3	62.5		1.0	13.6	
LATIN AMERICA	34.2	110.0	70.0			18.3	138.1	106.8	17.5	31.4	115.8
NEAR EAST AND SOUTH ASIA	2,130.7	395.3	157.5	118.1	1,029.2	825.7	1,304.9	309.0	531.8	737.8	396.1
ECONOMIC AID DRAWN	531	237	356	425	558	523	514	499	456	471	475



MILLION US $

	TOTAL FOR 1955-60	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
MILITARY EXTENSIONS	1,717	843	416	392	921	376	396	651	445	385	912
AFRICA	24	3	17	142	4	154	11	21	137	7	45
EAST ASIA	488	455	95	62	220	4	5	3	6		
NEAR EAST AND SOUTH ASIA	1,205	385	304	188	697	218	380	627	302	378	867
MILITARY AID DRAWN	1,143	336	796	577	292	333	541	429	438	398	982

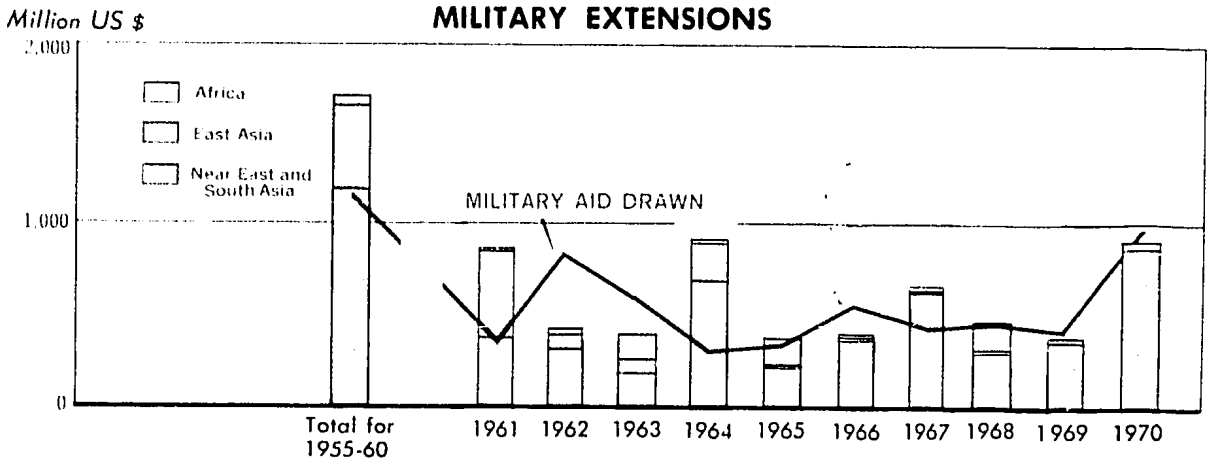


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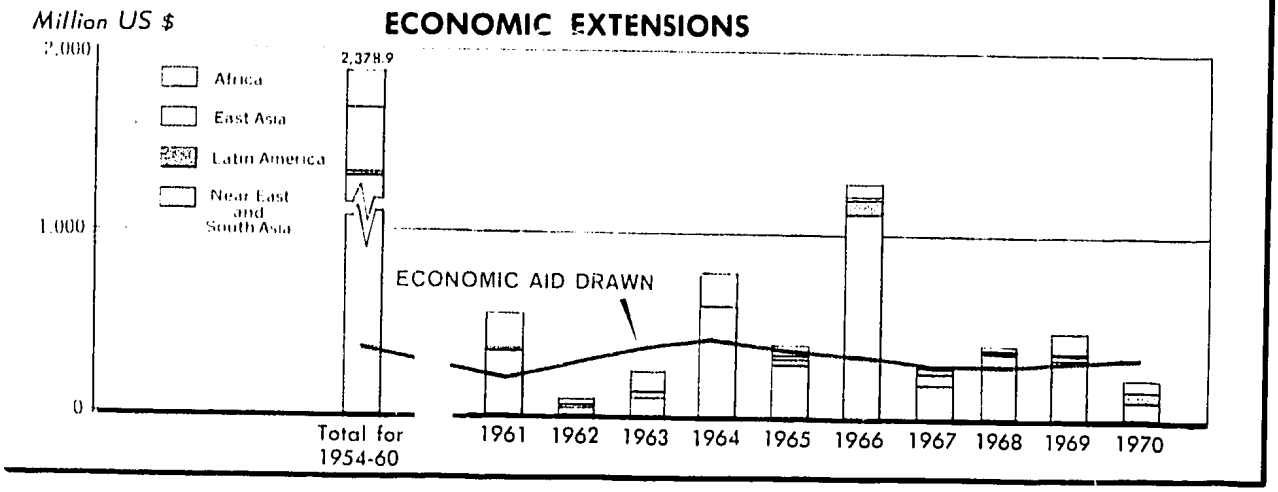
Figure 17

SOVIET ECONOMIC AND MILITARY AID TO LESS DEVELOPED COUNTRIES OF THE FREE WORLD EXTENSIONS AND DRAWINGS, BY AREA

MILLION US $

	TOTAL FOR 1954-60	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
ECONOMIC EXTENSIONS	2,378.9	551.1	70.2	217.0	824.7	371.2	1,276.0	290.4	379.3	476.5	210.4
AFRICA	207.7	197.1	24.7	111.8	211.7	53.6	83.4	26.2	5.4	134.8	56.1
EAST ASIA	342.3	3.0	5.4	14.8		3.3	3.5			1.7	
LATIN AMERICA	29.0					15.3	90.0	54.8	2.5	20.0	65.8
NEAR EAST AND SOUTH ASIA	1,799.9	351.0	40.1	90.4	613.0	299.0	1,099.1	209.4	371.4	320.0	88.5
ECONOMIC AID DRAWN	362	183	254	345	377	255	338	284	296	332	341



MILLION US $

	TOTAL FOR 1956-60	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
MILITARY EXTENSIONS	1,222	828	416	387	901	257	371	559	395	262	870
AFRICA	11	2	17	142	3	152	4		126		40
EAST ASIA	296	441	95	62	202		2		6		
NEAR EAST AND SOUTH ASIA	915	385	304	183	696	105	365	559	263	262	830
MILITARY AID DRAWN	657	322	786	577	284	321	442	408	366	336	912

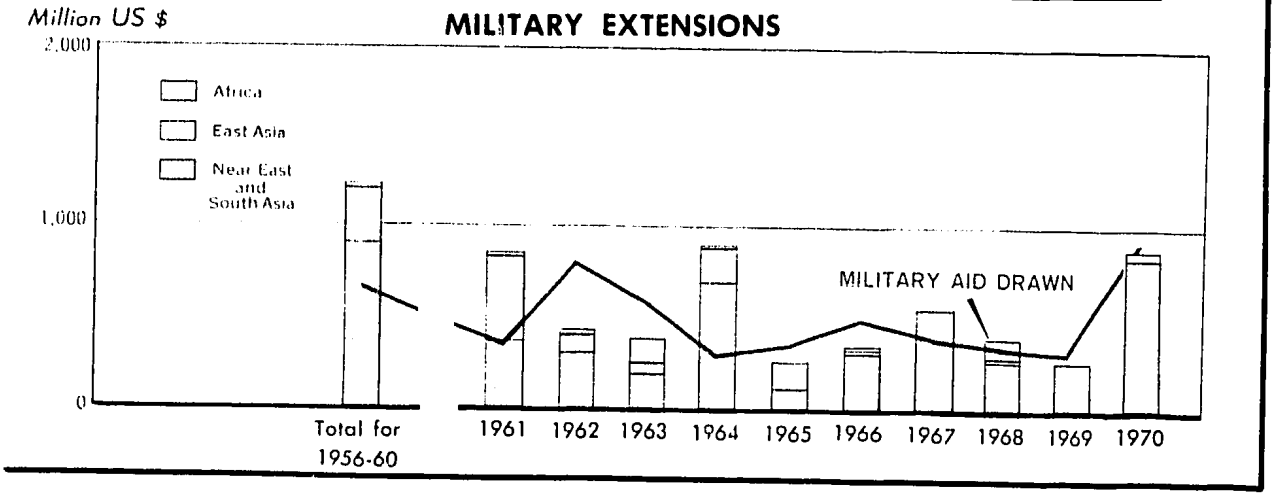


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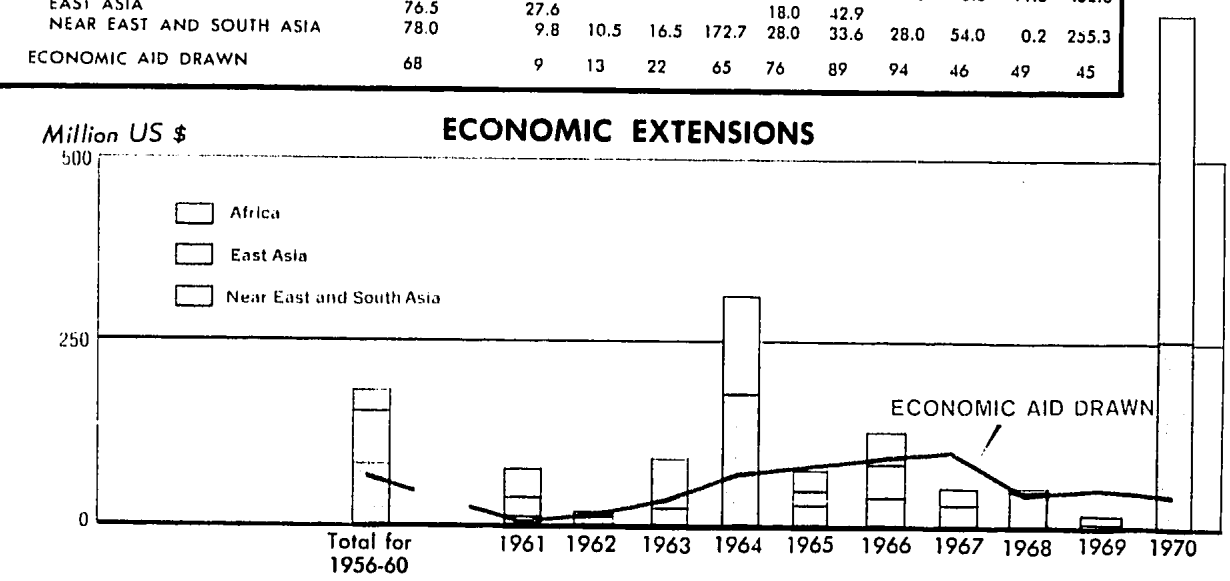
Figure 18

CHINESE COMMUNIST ECONOMIC AND MILITARY AID TO LESS DEVELOPED COUNTRIES OF THE FREE WORLD EXTENSIONS AND DRAWINGS, BY AREA

MILLION US $

	TOTAL FOR 1956-60	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
ECONOMIC EXTENSIONS	181.0	76.6	12.3	88.1	310.9	70.7	119.0	49.5	54.3	11.7	708.1
AFRICA	26.5	39.2	1.8	71.6	138.2	24.7	42.5	21.5	0.3	11.5	452.8
EAST ASIA	76.5	27.6				18.0	42.9				
NEAR EAST AND SOUTH ASIA	78.0	9.8	10.5	16.5	172.7	28.0	33.6	28.0	54.0	0.2	255.3
ECONOMIC AID DRAWN	68	9	13	22	65	76	89	94	46	49	45



MILLION US $

	TOTAL FOR 1956-60	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
MILITARY EXTENSIONS	33				4	74	10	17	5	53	
AFRICA	12						7	1	5	1	
EAST ASIA	21				4	4	3	3			
NEAR EAST AND SOUTH ASIA						70		13		52	
MILITARY AID DRAWN	30	3			2	3	56		22	26	6

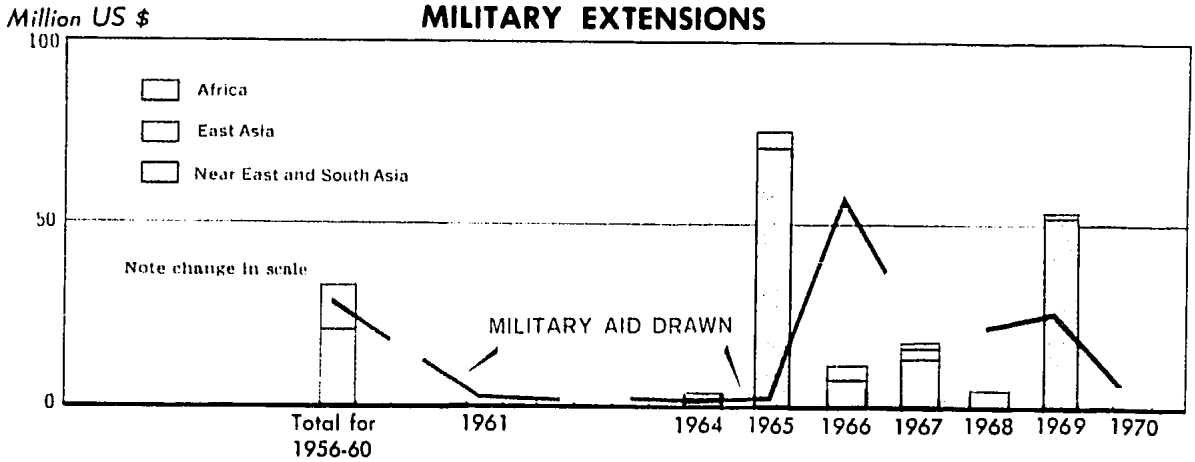


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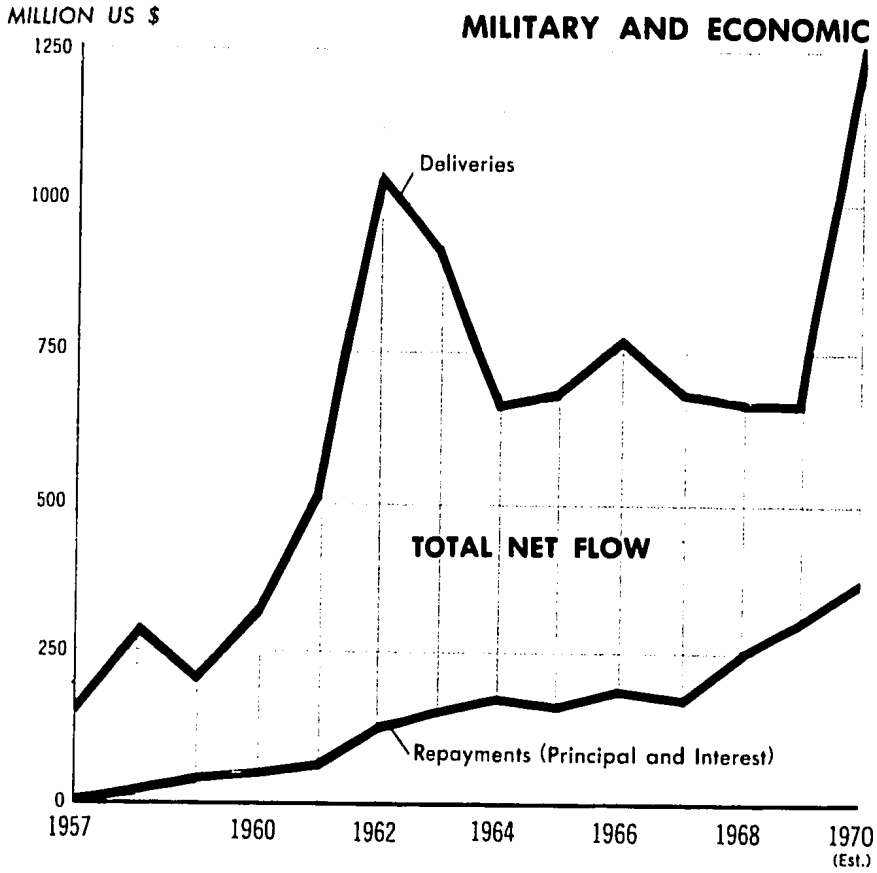
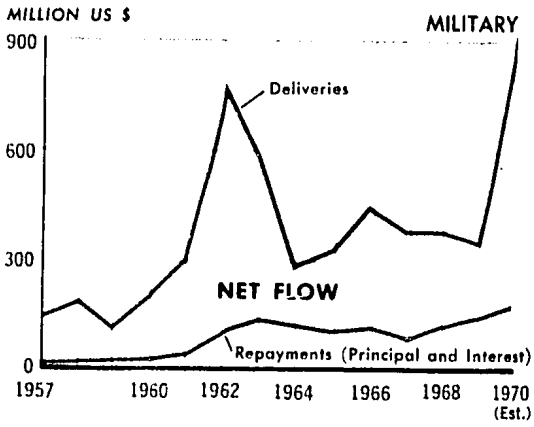
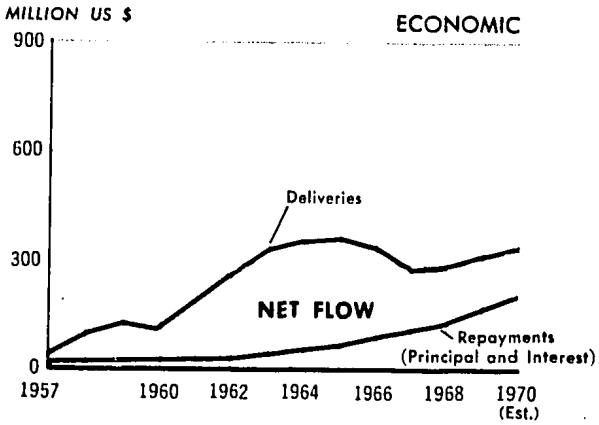
Figure 19

TOTAL ANNUAL NET FLOWS OF SOVIET MILITARY AND ECONOMIC AID TO LESS DEVELOPED COUNTRIES OF THE FREE WORLD







NOTE: Excluding downpayment deliveries, but including grant aid.

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Table 69

Net Flow of Soviet Productive Resources to Less Developed Countries of the Free World

Million US $

	Annual Average							
	1954–56	1957–63	1964	1965	1966	1967	1968	1969
Deliveries of economic aid [a]	4	162	377	355	338	284	296	332
Less repayments for economic aid	0	19	65	74	89	103	138	179 [b]
Principal	0	13	44	50	63	74	99	133 [b]
Interest	0	6	21	23	26	30	38	46 [b]
Less repayments for military aid	0	43	107	84	91	68	107	129 [b]
Principal	0	39	98	76	82	54	90	101 [b]
Interest	0	4	9	8	9	13	17	29 [b]
Net Flow [c]	**4**	**100**	**205**	**197**	**158**	**113**	**51**	**24**

[a] Including grants.

[b] Scheduled repayments.

[c] Data are for productive resources that have a direct economic impact on the less developed countries and differ from those presented in Figure 19, which include the delivery of military aid.

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Table 70

Communist Economic and Military Aid Extended to Less Developed Countries of the Free World, by Recipient and Donor

	Million US $							
	Total for 1954-65	1966	1967	1968	1969	1970	Total	Percent
Africa	**1,735.7**	**137.1**	**106.9**	**197.4**	**164.7**	**643.1**	**2,984.9**	**15.4**
Algeria								
USSR and Eastern Europe	499.9	5.6	.....	50.0	.....	74.1	629.6	3.3
Communist China	64.0	.....	.....	.....	.....	.....	64.0	0.3
Congo (Brazzaville)								
USSR and Eastern Europe	15.9	.....	.....	1.0	.....	5.1	22.0	0.1
Communist China	25.2	.....	.....	.....	1.0	.....	26.2	0.1
Ghana								
USSR and Eastern Europe	207.1	.....	.....	.....	.....	.....	207.1	1.1
Communist China	42.0	.....	.....	.....	.....	.....	42.0	0.2
Guinea								
USSR and Eastern Europe	125.3	2.7	16.7	3.5	92.2	.....	240.4	1.2
Communist China	26.5	31.2	.....	1.3	11.5	10.0	80.5	0.4
Mali								
USSR and Eastern Europe	86.3	3.2	.....	.....	0.8	.....	90.3	0.5
Communist China	50.0	3.0	.....	.....	.....	.....	53.0	0.3
Morocco								
USSR and Eastern Europe	46.2	45.6	20.0	*N.A.*	.....	44.4	156.2	0.8
Nigeria								
USSR and Eastern Europe	14.0	.....	.....	9.0	.....	6.7	29.7	0.2
Somalia								
USSR and Eastern Europe	93.1	8.5	.....	.....	.....	10.0	111.6	0.6
Communist China	23.1	0.2	.....	.....	.....	.....	23.3	0.1
Sudan								
USSR and Eastern Europe	33.0	.....	37.2	70.0	58.2	10.0	208.4	1.1
Communist China	.....	.....	.....	.....	.....	41.6	41.6	0.2
Tanzania								
USSR and Eastern Europe	7.7	22.0	.....	.....	.....	.....	29.7	0.2
Communist China	46.3	15.1	1.0	4.0	.....	200.6	267.0	1.4
Uganda								
USSR and Eastern Europe	27.6	.....	.....	2.0	1.0	.....	30.6	0.2
Communist China	15.0	.....	.....	.....	.....	.....	15.0	0.1
Zambia								
USSR and Eastern Europe	.....	.....	5.6	.....	.....	.....	5.6	*Negl.*
Communist China	.....	.....	16.8	.....	*N.A.*	200.6	217.4	1.1
Other								
USSR and Eastern Europe	265.6	.....	4.9	56.6	.....	40.0	367.1	1.9
Communist China	21.9	.....	4.7	.....	.....	.....	26.6	0.1
East Asia	**2,123.9**	**67.5**	**3.0**	**7.0**	**13.6**	.....	**2,215.0**	**11.5**
Cambodia								
USSR and Eastern Europe	30.8	5.5	.....	6.0	11.9	.....	54.2	0.3
Communist China	57.4	45.9	3.0	.....	.....	.....	106.3	0.5

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Indonesia								
USSR and Eastern Europe	1,915.3	.....	.....	.....	.....	.....	1,915.3	9.9
Communist China	68.2	.....	.....	.....	.....	.....	68.2	0.4
Other								
USSR and Eastern Europe	26.7	16.1	.....	1.0	1.7	.....	45.5	0.2
Communist China	25.5	.....	.....	.....	.....	.....	25.5	0.1
Latin America	**232.5**	**138.1**	**106.8**	**17.5**	**31.4**	**115.8**	**642.1**	**3.3**
Brazil								
USSR and Eastern Europe	181.5	132.1	17.0	.....	.....	.....	330.6	1.7
Other								
USSR and Eastern Europe	51.0	6.0	89.8	17.5	31.4	115.8	311.5	1.6
Near East and South Asia	**7,653.5**	**1,684.9**	**936.0**	**833.8**	**1,115.8**	**1,263.1**	**13,487.1**	**69.8**
Afghanistan								
USSR and Eastern Europe	810.1	15.6	49.0	128.6	.....	2.8	1,006.1	5.2
Communist China	28.0	.....	.....	.....	.....	.....	28.0	0.1
Ceylon								
USSR and Eastern Europe	80.6	.....	.....	2.5	.....	8.4	91.5	0.5
Communist China	41.0	.....	.....	.....	.....	12.1	53.1	0.3
Cyprus								
USSR and Eastern Europe	26.0	1.0	.....	.....	.....	.....	27.0	0.1
India								
USSR and Eastern Europe	1,780.5	775.7	25.0	45.0	186.3	.....	2,812.5	14.6
Iran								
USSR and Eastern Europe	187.6	305.5	160.0	252.8	210.0	204.4	1,320.3	6.8
Iraq								
USSR and Eastern Europe	586.9	181.0	118.4	40.0	315.4	90.3	1,332.0	6.9
Pakistan								
USSR and Eastern Europe	122.2	113.2	.....	96.9	28.2	9.5	370.0	1.9
Communist China	130.0	.....	20.0	40.0	50.0	200.0	440.0	2.3
Southern Yemen								
USSR and Eastern Europe	.....	.....	.....	9.0	42.1	5.0	56.1	0.3
Communist China	.....	.....	.....	12.0	.....	43.2	55.2	0.3
Syria								
USSR and Eastern Europe	503.5	241.8	110.0	100.0	37.0	25.0	1,017.3	5.3
Communist China	16.3	.....	.....	.....	2.0	.....	18.3	0.1
Turkey								
USSR and Eastern Europe	18.9	.....	200.0	.....	171.6	.....	390.5	2.0
United Arab Republic								
USSR and Eastern Europe	2,927.6	14.0	222.6	100.0	71.0	660.0	3,995.2	20.7
Communist China	84.7	.....	21.0	.....	.....	.....	105.7	0.5
Yemen								
USSR and Eastern Europe	195.6	3.5	10.0	5.0	2.0	2.4	218.5	1.1
Communist China	42.1	14.0	.....	.....	0.2	.....	56.3	0.3
Other								
USSR and Eastern Europe	28.5	.....	.....	.....	.....	.....	28.5	0.1
Communist China	43.4	19.6	.....	2.0	.....	.....	65.0	0.3
Total	**11,745.6**	**2,027.6**	**1,152.7**	**1,055.7**	**1,325.5**	**2,022.0**	**19,329.1**	**100.0**
USSR and Eastern Europe	10,895.0	1,898.6	1,086.2	996.4	1,260.8	1,313.9	17,450.9	90.3
Communist China	850.6	129.0	66.5	59.3	64.7	708.1	1,878.2	9.7

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Table 71

Communist Economic Aid Extended to Less Developed Countries of the Free World, by Recipient and Donor

	Million US $							
	Total for 1954–65	1966	1967	1968	1969	1970	Total	Percent
Africa	**1,391.7**	**126.1**	**85.9**	**60.4**	**157.7**	**598.1**	**2,419.9**	**20.4**
Algeria								
USSR and Eastern Europe	253.9	5.6	...	...	...	74.1	333.6	2.8
Communist China	52.0	...	...	...	...	...	52.0	0.4
Ethiopia								
USSR and Eastern Europe	118.8	...	...	...	...	...	118.8	1.0
Ghana								
USSR and Eastern Europe	197.1	...	...	...	...	...	197.1	1.7
Communist China	42.0	...	...	...	...	...	42.0	0.4
Guinea								
USSR and Eastern Europe	114.3	2.7	16.7	3.5	92.2	...	229.4	1.9
Communist China	26.5	31.2	...	0.3	11.5	10.0	79.5	0.7
Mali								
USSR and Eastern Europe	82.3	3.2	...	...	0.8	...	86.3	0.7
Communist China	50.0	3.0	...	...	...	...	53.0	0.4
Morocco								
USSR and Eastern Europe	35.2	43.6	...	*N.A.*	...	44.4	123.2	1.0
Somalia								
USSR and Eastern Europe	58.1	8.5	...	...	...	...	66.6	0.6
Communist China	23.1	0.2	...	...	...	...	23.3	0.2
Sudan								
USSR and Eastern Europe	33.0	...	37.2	...	53.2	10.0	133.4	1.1
Communist China	...	...	...	...	...	41.6	41.6	0.4
Tanzania								
USSR and Eastern Europe	6.7	20.0	...	...	...	...	26.7	0.2
Communist China	46.3	8.1	...	*N.A.*	...	200.6	255.0	2.1
Tunisia								
USSR and Eastern Europe	55.6	...	1.6	51.2	...	...	108.4	0.9
Zambia								
USSR and Eastern Europe	...	...	5.6	...	...	...	5.6	*Negl.*
Communist China	...	...	16.8	...	*N.A.*	200.6	217.4	1.8
Other								
USSR and Eastern Europe	134.7	...	3.3	5.4	...	16.8	160.2	1.3
Communist China	62.1	...	4.7	...	...	...	66.8	0.6
East Asia	**799.9**	**62.5**	**0**	**1.0**	**13.6**	**0**	**877.0**	**7.4**
Burma								
USSR and Eastern Europe	25.2	16.1	...	1.0	1.7	...	44.0	0.4
Communist China	25.5	...	...	...	...	...	25.5	0.2
Cambodia								
USSR and Eastern Europe	26.8	3.5	...	...	11.9	...	42.2	0.4
Communist China	49.4	42.9	...	...	...	...	92.3	0.8

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Indonesia								
USSR and Eastern Europe	624.3	.....	.....	.....	.....	.....	624.3	5.3
Communist China	47.2	.....	.....	.....	.....	.....	47.2	0.4
Laos								
USSR and Eastern Europe	1.5	.....	.....	.....	.....	.....	1.5	*Negl.*
Latin America	**232.5**	**138.1**	**106.8**	**17.5**	**31.4**	**115.8**	**642.1**	**5.4**
Argentina								
USSR and Eastern Europe	51.0	.....	30.0	5.0	.....	.....	86.0	0.7
Brazil								
USSR and Eastern Europe	181.5	132.1	17.0	.....	.....	.....	330.6	2.8
Chile								
USSR and Eastern Europe	.....	.....	54.8	5.0	.....	.....	59.8	0.5
Other								
USSR and Eastern Europe	.....	6.0	5.0	7.5	31.4	115.8	165.7	1.4
Near East and South Asia	**4,656.5**	**1,304.9**	**309.0**	**531.8**	**737.8**	**396.1**	**7,936.1**	**66.8**
Afghanistan								
USSR and Eastern Europe	571.1	5.6	5.0	128.6	.....	2.8	713.1	6.0
Communist China	28.0	.....	.....	.....	.....	.....	28.0	0.2
India								
USSR and Eastern Europe	1,311.5	626.7	25.0	.....	30.3	.....	1,993.5	16.8
Iran								
USSR and Eastern Europe	187.6	305.5	10.0	252.8	200.0	54.4	1,010.3	8.5
Iraq								
USSR and Eastern Europe	203.9	.....	18.4	.....	245.4	65.3	533.0	4.5
Nepal								
USSR and Eastern Europe	20.8	.....	.....	.....	.....	.....	20.8	0.2
Communist China	43.4	19.6	.....	2.0	.....	.....	65.0	0.5
Pakistan								
USSR and Eastern Europe	122.2	113.2	.....	66.9	28.2	9.5	340.0	2.9
Communist China	60.0	.....	7.0	40.0	.....	200.0	307.0	2.6
Southern Yemen								
USSR and Eastern Europe	.....	.....	.....	2.0	37.1	.....	39.1	0.3
Communist China	.....	.....	.....	12.0	.....	43.2	55.2	0.5
Syria								
USSR and Eastern Europe	156.5	216.8	.....	25.0	25.0	.....	423.3	3.6
Communist China	16.3	.....	.....	.....	.....	.....	16.3	0.1
Turkey								
USSR and Eastern Europe	18.9	.....	200.0	.....	171.6	.....	390.5	3.3
United Arab Republic								
USSR and Eastern Europe	1,552.6	.....	22.6	.....	.....	.....	1,575.2	13.3
Communist China	84.7	.....	21.0	.....	.....	.....	105.7	0.9
Yemen								
USSR and Eastern Europe	107.6	3.5	.....	.....	.....	0.4	111.5	0.9
Communist China	42.1	14.0	.....	.....	0.2	.....	56.3	0.5
Other								
USSR and Eastern Europe	88.3	.....	.....	2.5	.....	8.4	99.2	0.8
Communist China	41.0	.....	.....	.....	.....	12.1	53.1	0.4
Total	**7,080.6**	**1,631.6**	**501.7**	**610.7**	**940.5**	**1,110.0**	**11,875.1**	**100.0**
USSR and Eastern Europe	6,341.0	1,512.6	452.2	556.4	928.8	401.9	10,192.9	85.8
Communist China	739.6	119.0	49.5	54.3	11.7	708.1	1,682.2	14.2

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Table 72

Communist Military Aid Extended to Less Developed Countries of the Free World, by Recipient and Donor

	Million US $							
	Total for 1955–65	1966	1967	1968	1969	1970	Total	Percent
Africa	**344**	**11**	**21**	**137**	**7**	**45**	**565**	**7.6**
Algeria								
USSR and Eastern Europe	246	.....	.....	50	.....	.....	296	4.0
Communist China	12	.....	.....	.....	.....	.....	12	0.2
Sudan								
USSR and Eastern Europe	.....	.....	.....	70	5	.....	75	1.0
Other								
USSR and Eastern Europe	86	4	20	12	1	45	168	2.3
Communist China	.....	7	1	5	1	.....	14	0.2
East Asia	**1,324**	**5**	**3**	**6**	**0**	**0**	**1,338**	**18.0**
Cambodia								
USSR and Eastern Europe	4	2	.....	6	.....	.....	12	0.2
Communist China	8	3	3	.....	.....	.....	14	0.2
Indonesia								
USSR and Eastern Europe	1,291	.....	.....	.....	.....	.....	1,291	17.3
Communist China	21	.....	.....	.....	.....	.....	21	0.3
Near East and South Asia	**2,997**	**380**	**627**	**302**	**378**	**867**	**5,551**	**74.5**
Afghanistan								
USSR and Eastern Europe	239	10	44	.....	.....	.....	293	3.9
India								
USSR and Eastern Europe	469	149	.....	45	156	.....	819	11.0
Iran								
USSR and Eastern Europe	.....	.....	150	.....	10	150	310	4.2
Iraq								
USSR and Eastern Europe	383	181	100	40	70	25	799	10.7
Pakistan								
USSR and Eastern Europe	.....	.....	.....	30	.....	.....	30	0.4
Communist China	70	.....	13	.....	50	*N.A.*	133	1.8
Syria								
USSR and Eastern Europe	347	25	110	75	12	25	594	8.0
Communist China	.....	.....	.....	.....	2	.....	2	*Negl.*
United Arab Republic								
USSR and Eastern Europe	1,375	14	200	100	71	660	2,420	32.5
Yemen								
USSR and Eastern Europe	88	.....	10	5	2	2	107	1.4
Other								
USSR and Eastern Europe	26	1	.....	7	5	5	44	0.6
Total	**4,665**	**396**	**651**	**445**	**385**	**912**	**7,454**	**100.0**
USSR and Eastern Europe	4,554	386	634	440	332	912	7,258	97.4
Communist China	111	10	17	5	53	*N.A.*	196	2.6

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Table 73

Communist Major Deliveries of Land Armaments and Naval Ships to Less Developed Countries of the Free World, by Recipient
January 1967–December 1970

	Land Armaments					Naval Ships					
	Medium Tanks	Light Tanks	Self-Propelled Assault Guns	Personnel Carriers[a]	Artillery Pieces	Destroyers	Submarines	Minesweepers	Submarine Chasers	Motor Torpedo and Missile Boats	Other[b]
Africa											
Algeria	39	.....	1	133	6	.....	.....	2	3	9	.....
Congo (Brazzaville)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
Guinea	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	3
Libya	130	.....	24	100	90	.....	.....	.....	.....	.....	.....
Morocco	79	.....	3	80	.....	.....	.....	.....	.....	.....	.....
Nigeria	.....	.....	.....	30	90	.....	.....	.....	.....	.....	3
Somalia	71	.....	.....	30	84	.....	.....	.....	.....	.....	2
Sudan	102	.....	.....	172	50	.....	.....	.....	.....	.....	.....
Tanzania	10	14	.....	.....	16	.....	.....	.....	.....	.....	7
Uganda	.....	.....	.....	36	24	.....	.....	.....	.....	.....	.....
East Asia											
Cambodia	.....	.....	.....	15	37	.....	.....	.....	.....	.....	.....
Near East and South Asia											
Afghanistan	32	.....	.....	117	97	.....	.....	.....	.....	.....	.....
India	30	.....	.....	100	42	.....	4	.....	5	.....	6
Iran	.....	.....	.....	620	494	.....	.....	.....	.....	.....	.....
Iraq	250	.....	30	500	235	.....	.....	2	.....	.....	.....
Pakistan	130	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Southern Yemen	42	.....	.....	6	50	.....	.....	.....	.....	.....	.....
Syria	415	23	50	130	435	.....	.....	.....	.....	.....	.....
United Arab Republic	650	12	7	435	625	2[c]	1[c]	7	.....	9	12

[a] Armored and amphibious.
[b] Including auxiliary vessels and landing craft.
[c] Received in exchange for older models returned to the USSR.

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Table 74

Communist Major Deliveries of Aircraft and Guided Missile Systems to Less Developed Countries of the Free World, by Recipient
January 1967–December 1970

	Aircraft					Guided Missile Systems [a]		
	Medium Jet Bombers	Light Jet Bombers	Jet Fighters	Heavy Transports	Other [b]	Air-to-Air [c]	Surface-to-Air [d]	Surface-to-Surface [e]
Africa								
Algeria	.....	6	45	.....	14	2	[f]	3
Congo (Brazzaville)	.....	.....	.....	.....	2	.....	.....	.....
Guinea	.....	.....	.....	.....	4	.....	.....	.....
Nigeria	.....	.....	33	.....	13	.....	.....	.....
Somalia	.....	.....	14	.....	.....	.....	.....	.....
Sudan	.....	.....	24	.....	16	24	1	.....
Uganda	.....	.....	5	.....	15	.....	.....	.....
East Asia								
Cambodia	.....	.....	.....	.....	1	.....	.....	.....
Near East and South Asia								
Afghanistan	.....	.....	41	1	2	18	1	.....
India	.....	.....	88 [g]	.....	40	.....	.....	.....
Iraq	.....	.....	130	3	72	52	.....	.....
Pakistan	.....	.....	30	.....	10	.....	.....	.....
Southern Yemen	.....	.....	10	.....	.....	.....	.....	.....
Syria	.....	.....	178	.....	62	68	10	.....
United Arab Republic	24	26	331	3	190	77	100	3
Yemen	.....	6	30	.....	.....	.....	.....	.....

[a] Data reflect numbers of aircraft, ships, and sites having missile capability.
[b] Including nonjet combat aircraft, trainers, transports, and helicopters.
[c] Number of fighter aircraft equipped with AAMs (two to four per aircraft).
[d] Number of SAM firing battalions, or sites (four to six launchers per site).
[e] Ship launched. These data constitute the number of Komar- and Osa-class ships equipped with SSMs (two to four per ship).
[f] An undetermined number of SAMs have been received.
[g] Excluding those fighters assembled at the aeronautics plant in Nasik.

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Table 75

Communist Major Military Equipment Delivered to Less Developed Countries of the Free World, by Recipient
1970

	Land Armaments				Naval Ships			Aircraft		Guided Missile Systems [a]		
	Medium Tanks	Self-propelled Assault Guns	Personnel Carriers [b]	Artillery Pieces	Submarines	Minesweepers and Submarine Chasers	Other [c]	Jet Fighters	Other [d]	Air-to-Air [e]	Surface-to-Air [f]	Anti-tank [g]
Africa												
Algeria	.....	.....	6	.....	.....	.....	.....	18	4	.....	.....	.....
Libya	130	24	100	90	.....	.....	.....	.....	.....	.....	.....	.....
Somalia	.....	.....	24	.....	.....	.....	.....	6	.....	.....	.....	.....
Sudan	90	.....	160	50	.....	.....	.....	12	12	12	1	.....
Tanzania	10	.....	.....	16	.....	.....	.....	.....	.....	.....	.....	.....
Uganda	.....	.....	.....	.....	.....	.....	.....	.....	7	.....	.....	.....
Near East and South Asia												
Afghanistan	.....	.....	.....	.....	.....	.....	.....	20	.....	.....	.....	.....
India	.....	.....	100	.....	1	2	4	13	.....	.....	.....	.....
Iran	.....	.....	20	85	.....	.....	.....	.....	.....	.....	.....	.....
Iraq	100	.....	100	.....	.....	.....	.....	14	.....	4	.....	.....
Pakistan	70	.....	.....	.....	.....	.....	.....	30	.....	.....	.....	.....
Southern Yemen	9	.....	6	.....	.....	.....	.....	.....	.....	.....	.....	.....
Syria	200	.....	.....	35	.....	.....	.....	30	25	13	9	.....
United Arab Republic	150	7	215	100 [h]	.....	1	1	49	61	17	100	50

[a] Data reflect numbers of aircraft, vehicles, and sites having missile capability.
[b] Armored and amphibious.
[c] Including auxiliary vessels and landing craft.
[d] Including nonjet combat aircraft, trainers, transports, and helicopters.
[e] Number of fighter aircraft equipped with AAMs (two to four per aircraft).
[f] Number of SAM firing battalions, or sites (six launchers per SA-2 site, four launchers per SA-3 site).
[g] Number of vehicles used as launchers (three missiles per vehicle).
[h] Including six FROG rocket launchers.

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Table 76

Academic, Technical, and Military Trainees[a] Departing from Less Developed Countries of the Free World for Training in Communist Countries, by Area of Destination

	1965	1966	1967	1968	1969	1970
Total trainees	**8,080**	**6,110**	**5,450**	**6,505**	**7,095**	**7,845**
USSR and Eastern Europe	7,950	5,920	5,335	6,500	7,080	7,535
Communist China	130	190	115	5	15	310
Academic trainees	**3,785**	**3,355**	**3,000**	**3,535**	**3,995**	**3,645**
USSR and Eastern Europe	3,725	3,355	3,000	3,535	3,995	3,645
Communist China	60	0	0	0	0	0
Technical trainees	**1,575**	**1,205**	**1,245**	**1,455**	**1,880**	**1,650**
USSR and Eastern Europe	1,540	1,125	1,220	1,450	1,880	1,650
Communist China	35	80	25	5	0	0
Military trainees	**2,720**	**1,550**	**1,205**	**1,515**	**1,220**	**2,550**
USSR and Eastern Europe	2,685	1,440	1,115	1,515	1,205	2,240
Communist China	35	110	90	0	15	310

[a] Rounded to the nearest five persons. Data are for persons departing for training and not necessarily those completing training.

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Table 77

Military Personnel from Less Developed Countries Trained in Communist Countries [a]

	Departures to Communist Countries							Being Trained, December 1970			
	1969 [b]			1970							
	Total	USSR	Communist China	Total	USSR	Eastern Europe	Communist China	Total	USSR	Eastern Europe	Communist China
Total	**1,220**	**1,205**	**15**	**4,050**	**3,700**	**40**	**310**	**3,855**	**3,470**	**145**	**240**
Africa	**445**	**430**	**15**	**845**	**515**	**20**	**310**	**1,575**	**1,310**	**25**	**240**
Algeria	65	65	.....	30	30	.....	.....	480	480	.....	.....
Congo (Brazzaville)	.....	.....	.....	265	95	.....	170	300	160	.....	140
Guinea	.....	.....	.....	.....	.....	.....	.....	65	65	.....	.....
Mali	10	10	.....	55	55	.....	.....	55	55	.....	.....
Nigeria	85	85	.....	10	10	.....	.....	35	35	.....	.....
Somalia	70	70	.....	300	300	.....	.....	350	350	.....	.....
Sudan	200	200	.....	30	10	20	.....	170	150	20	.....
Tanzania	15	.....	15	140	.....	.....	140	100	.....	.....	100
Uganda	.....	.....	.....	15	15	.....	.....	20	15	5	.....
Near East and South Asia	**775**	**775**	**0**	**3,205**	**3,185**	**20**	**0**	**2,280**	**2,160**	**120**	**0**
Afghanistan	150	150	.....	250	250	.....	.....	500	500	.....	.....
India	140	140	.....	150	150	.....	.....	100	100	.....	.....
Iran	.....	.....	.....	110	110	.....	.....	110	110	.....	.....
Iraq	210	210	.....	150	150	.....	.....	450	370	80	.....
Pakistan	5	5	.....	.....	.....	.....	.....	.....	.....	.....	.....
Southern Yemen	160	160	.....	20	.....	20	.....	180	160	20	.....
Syria	50	50	.....	25	25	.....	.....	240	220	20	.....
United Arab Republic	50	50	.....	2,500	2,500	.....	.....	300	300	.....	.....
Yemen	10	10	.....	.....	.....	.....	.....	400	400	.....	.....

[a] Rounded to the nearest five persons. Data refer to the number of persons departing for or in training but not necessarily completing training.
[b] No personnel departed for training in Eastern Europe in 1969.

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Table 78

Communist Economic and Military Technicians [a] in Less Developed Countries of the Free World, by Country
1970

	Economic				Military		
	Total	USSR	Eastern Europe	Communist China	Total	USSR and Eastern Europe	Communist China
Total	**23,990**	**10,670**	**5,215**	**8,115**	**10,715**	**10,170**	**545**
Africa	**14,065**	**4,020**	**3,040**	**7,005**	**2,325**	**1,880**	**445**
Algeria	3,170	2,105 [b]	880	185	1,000	1,000	.....
Central African Republic	35	35	.....	.....	.....	.....	.....
Chad	45	45	.....	.....	.....	.....	.....
Congo (Brazzaville)	445	220	25	200 [c]	40	15	25
Ethiopia	145	65	80	.....	.....	.....	.....
Ghana	100	20	80	.....	.....	.....	.....
Guinea	1,040	500	140	400	65	65	.....
Kenya	40	15	25	.....	.....	.....	.....
Libya	625	25	600	.....	.....	.....	.....
Mali	650	200	50	400 [d]	70	30	40
Mauritania	295	15	.....	280	.....	.....	.....
Morocco	430	245	185	.....	20	20	.....
Nigeria	220	70	150	.....	50	50	.....
Somalia	180	100	5	75	250	250	.....
Sudan	130	70	60	.....	400	400	.....
Tanzania	5,435	125	105	5,205 [e]	385	5	380
Tunisia	665	45	620	.....	.....	.....	.....
Zambia	325	65	10	250	.....	.....	.....
Other	90	55	25	10	45	45	.....
East Asia	**315**	**150**	**65**	**100**	**0**	**0**	**0**
Burma	50	10	40	.....	.....	.....	.....
Cambodia	230	120	10	100 [f]	.....	.....	.....
Indonesia	35	20	15	.....	.....	.....	.....
Latin America	**180**	**30**	**150**	**0**	**0**	**0**	**0**
Argentina	5	.....	5	.....	.....	.....	.....
Bolivia	15	10	5	.....	.....	.....	.....
Brazil	110	5	105	.....	.....	.....	.....
Chile	15	10	5	.....	.....	.....	.....
Colombia	10	5	5	.....	.....	.....	.....
Mexico	5	.....	5	.....	.....	.....	.....
Uruguay	20	.....	20	.....	.....	.....	.....
Near East and South Asia	**9,430**	**6,460**	**1,960**	**1,010**	**8,390**	**8,290**	**100**
Afghanistan	1,355	1,055	100	200	160	160	.....
Ceylon	150	55	90	5	.....	.....	.....
India	1,405	955	450	.....	300	300	.....
Iran	1,835	1,585	250	.....	30	30	.....
Iraq	775	600	175	.....	320	320	.....
Kuwait	35	15	20	.....	.....	.....	.....
Lebanon	25	.....	25	.....	.....	.....	.....
Nepal	580	80	.....	500	.....	.....	.....
Pakistan	455	380	25	50	35	10	25
Southern Yemen	195	105	30	60 [c]	120	120	.....
Syria	1,000	780	160	60	825	750	75
Turkey	185	175	10	.....	.....	.....	.....
United Arab Republic	1,130	600	515	15	6,500	6,500 [g]	.....
Yemen	305	75	110	120	100	100	.....

[a] Rounded to the nearest five persons. Data are minimum estimates of the number of persons present for a period of one month or more. Persons engaged solely in commercial activities are excluded.

[b] Including 15 Cubans.

[c] Including 10 North Koreans.

[d] Including 10 North Vietnamese and five North Koreans.

[e] Including 10 North Koreans. All of the estimated 4,700 Chinese working on the Tan-Zam Railroad are believed to be in Tanzania.

[f] All of the Chinese technicians were withdrawn following the March change of government.

[g] Excluding an estimated 7,000 Soviet military personnel assigned to Soviet operational units in the United Arab Republic.

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Figure 20

PRIMARY ENERGY CONSUMPTION IN THE FREE WORLD

MILLION BARRELS PER DAY OIL EQUIVALENT

	1960	1965	1970	1975
Free World	44	56	75	98
United States	21	26	33	41
Western Europe	13	17	22	28
Japan	2	3	6	10
Other	8	10	14	19

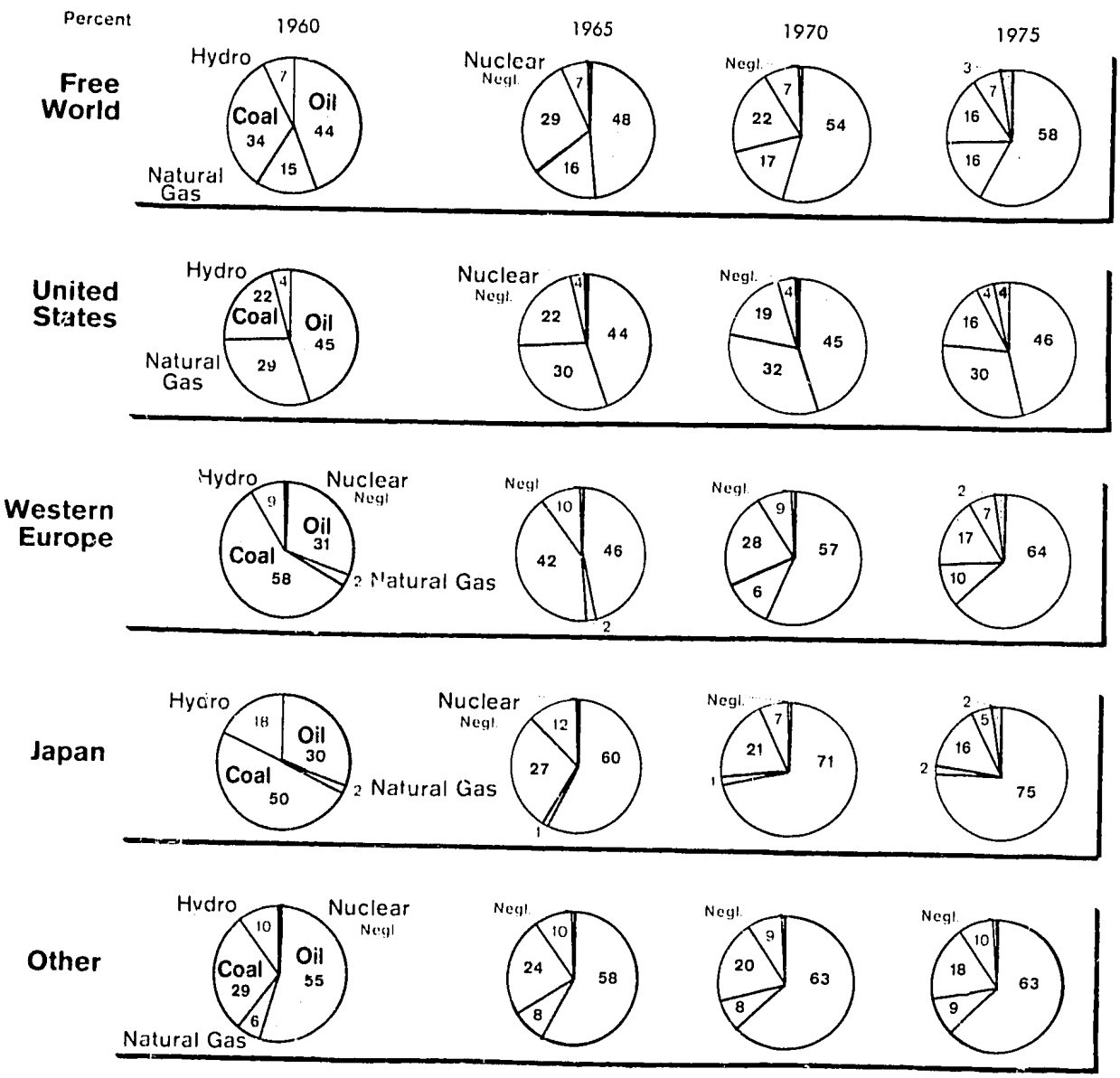

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Table 79

Production of Primary Energy[a]

Million Metric Tons of Coal Equivalents

	1960	1965	1966	1967	1968	1969	1970
NATO Countries[b]	**2,130***	**2,510***	**2,600***	**2,710***	**2,790***	**2,870***	**3,000***
United States	1,429.3*	1,718.6*	1,814.1*	1,917.1*	1,977.6*	2,034.1*	2,133.0*
Communist Countries							
USSR and Eastern Europe	**937**	**1,270***	**1,340**	**1,400**	**1,460**	**1,530**	**1,620**
USSR	662.7*	942.5*	1,006.5*	1,062.8*	1,112.1*	1,168.0*	1,237.6*
Eastern Europe	**275**	**329***	**334**	**335**	**348**	**366**	**379**
Bulgaria	7.7*	9.4*	9.6*	10.2*	10.3	10.2	10.4
Czechoslovakia	50 9*	61.9*	61.6*	59.2*	60.8	63.8	66.0
East Germany	73.6	81.4*	80.8	78.7	80.1	82.2	82.9
Hungary	14.8*	18.3*	18.3*	17.9*	19.1*	19.5*	20.3
Poland	93.5*	110.9*	114.3*	115.9*	122.1*	130.3*	136.7
Romania	34.2*	46.8*	49.4*	52.9*	55.8*	59.5*	62.3
Far East							
Communist China	207.7	205.2	226.4	184.4	195.0	241.5	286.0
North Korea	14.1*	21.3	21.4	22.8	24.5	23.6	27.6
North Vietnam	2.4	3.7	3.3	2.3	2.6	2.6	2.7
Other							
Albania	1.1*	1.4	1.5	1.6	1.7	2.0	2.1
Yugoslavia	15.5*	21.3*	21.4*	20.8*	21.6*	23.0*	24.3

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Belgium[c]	22.6*	20.5*	12.0*	Iceland	0.3*	0.4*	0.8*	Portugal	2.2*	2.6*	3.6*
Canada	120.1*	183.7*	268.5*	Italy	37.7*	41.2*	50.5*	Turkey	5.3*	8.6*	12.7*
Denmark	0.8*	0.7*	0.2*	Netherlands	15.5*	16.9*	45.8*	United Kingdom	199.8*	202.1*	178.6*
France	86.2*	90.0*	85.4*	Norway	17.4*	27.3*	32.0*	West Germany	188.7*	190.5*	176.3*
Greece	1.5*	2.1*	3.2*								

* *An asterisk indicates that the data are unclassified.*

[a] Data are for coal, crude oil, natural gas, and hydroelectric power expressed in terms of coal equivalents (calorific value of 7,000 kilocalories per kilogram), and exclude minor fuels such as peat, shale, and fuelwood.

[b] The following coefficients were used to convert the sources of primary energy into hard coal equivalents: coal (metric tons), 1.0; brown coal and lignite (metric tons), 0.29; crude oil (metric tons), 1.3; crude natural gasoline (metric tons), 1.5; natural gas (1,000 cubic meters), 1.33; and hydroelectricity (1,000 kilowatt-hours), 0.55. Production of geothermal and nuclear electric power is included at the same ratio as hydroelectricity.

[c] Including data for Luxembourg.

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Table 80

Production of Hard Coal[a]

Million Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries[b]	**836***	**898***	**889***	**882***	**857***	**851***	**865***
United States	391.5*	475.3*	492.6*	508.4*	500.7*	513.4*	538.8*
Communist Countries							
USSR and Eastern Europe	**496***	**556***	**567***	**575***	**583***	**600***	**620***
USSR[c]	355.9*	397.6*	406.6*	414.1*	416.4*	425.8*	440.8
Eastern Europe	**140***	**158***	**160***	**161***	**166***	**174***	**179***
Bulgaria	0.6*	0.6*	0.5*	0.5*	0.4*	0.4*	0.4*
Czechoslovakia	26.2*	27.6*	26.7*	25.9*	25.9*	27.1*	28.0*
East Germany	2.7*	2.2*	2.0*	1.8*	1.6*	1.3*	*Negl.**
Hungary	2.8*	4.4*	4.4*	4.1*	4.2*	4.1*	4.2*
Poland	104.4*	118.8*	122.0*	123.9*	128.6*	135.0*	140.1*
Romania	3.4*	4.7*	4.8*	5.1*	5.5*	5.9*	6.3*
Far East							
Communist China[d]	280.0*	220.0*	240.0*	190.0*	200.0*	250.0*	300.0
North Korea	6.8*	12.4*	14.0*	15.4*	17.5	16.1	19.2*
North Vietnam	2.6	4.0	3.6	2.5	2.8	2.8	2.9
Other							
Yugoslavia	1.3*	1.2*	1.1*	0.9*	0.8*	0.7*	0.6*

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Belgium	22.5*	19.8*	11.4*	Netherlands[e]	12.5*	11.4*	4.3*	Turkey	3.7*	4.4*	4.6*
Canada	8.0*	8.6*	11.7*	Norway[f]	0.4*	0.4*	0.5*	United Kingdom[g]	196.7*	190.5*	144.6*
France	56.0*	51.4*	37.4*	Portugal	0.4*	0.4*	0.3*	West Germany[e]	143.3*	135.5*	111.3*
Italy	0.7*	0.4*	0.3*								

Other Free World Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Australia	22.9*	31.9*	45.5*	Japan	51.1*	49.5*	39.7*	South Korea	5.4*	10.2*	12.4*
India	52.6*	67.2*	71.9*	South Africa	38.2*	48.5*	54.2*	Spain	13.8*	12.9*	10.7*

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for anthracite and bituminous coal.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Net output. Data differ from those presented in the previous *Handbook* which were reported as gross output.

[d] Including a negligible amount of brown coal.

[e] Including low-quality coal at its hard-coal equivalent.

[f] Data are for Norwegian mines in Svalbard only.

[g] Excluding data for Northern Ireland.

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Table 81

Production of Brown Coal and Lignite

Million Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries[a]	**111***	**121***	**118***	**118***	**123***	**130***	**133***
United States	2.5*	2.8*	3.5*	4.1*	4.4*	4.6*	4.9*
Communist Countries							
USSR and Eastern Europe	**469***	**550***	**548***	**536***	**545***	**564***	**578**
USSR	134.2*	147.4*	144.2*	141.4*	135.9*	137.7*	137.7
Eastern Europe	**335***	**403***	**404***	**394***	**409***	**426***	**440**
Bulgaria	15.4*	24.5*	24.7*	26.7*	28.3*	28.6*	28.8*
Czechoslovakia	57.9*	72.3*	73.5*	70.8*	74.3*	78.7*	80.6
East Germany	225.5*	250.8*	249.0*	242.0*	247.1*	254.6*	260.6*
Hungary	23.7*	27.1*	26.0*	23.0*	23.0*	22.4*	23.7*
Poland	9.3*	22.6*	24.5*	23.9*	26.9*	30.9*	32.8*
Romania	3.4*	5.6*	6.6*	7.9*	9.3*	11.1*	13.6*
Far East[b]							
North Korea[c]	3.5*	5.0*	5.5*	6.0*	6.7	6.2	7.5*
Other							
Albania	0.3*	0.3*	0.4*	0.4	0.5	0.6	0.7
Yugoslavia	21.4*	28.8*	28.2*	25.6*	25.9*	25.8*	27.8*

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Canada	2.0*	1.9*	3.5*	Greece	2.5*	5.1*	7.7*	Turkey	1.9*	3.1*	4.4*
Denmark	2.3*	2.1*	0.5*[d]	Italy	0.8*	1.0*	1.4*	West Germany	96.1*	101.9*	107.8*
France	2.3*	2.7*	2.8*	Portugal	0.2*	0.1*	*Negl.**				

Other Free World Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Australia	15.2*	21.0*	24.2*	India	0.1*	2.3*	3.5*	Spain	1.8*	2.8*	2.8*
Austria	6.0*	5.4*	3.7*	New Zealand	2.2*	2.0*	1.9*				

* *An asterisk indicates that the data are unclassified.*

[a] Including only data for the United States and those countries listed under "Other NATO Countries."

[b] Negligible production for Communist China.

[c] Including unknown amounts of hard coal.

[d] Data are for the previous year.

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200005-5

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200005-5

Table 82

Production of Metallurgical Coke [a]

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [b]	**149,000***	**157,000***	**153,000***	**144,000***	**146,000***	**150,000***	**154,000***
United States	51,917*	60,649*	61,146*	58,586*	57,745*	58,717*	60,299*
Communist Countries							
USSR and Eastern Europe	**73,100***	**86,900***	**87,700***	**88,900***	**91,200***	**93,700***	**96,200***
USSR	56,233*	67,500*	68,500*	69,900*	71,500*	73,500*	75,400*
Eastern Europe	**16,900***	**19,400***	**19,200***	**19,000***	**19,700***	**20,200***	**20,800***
Bulgaria	20* [c]	733*	800*	803*	817*	795*	800*
Czechoslovakia	6,842*	7,875*	7,732*	7,184*	7,518*	7,905*	8,060*
East Germany	1,008*	1,051*	1,060*	1,087*	1,093*	1,100*	1,100*
Hungary [d]	499*	642*	646*	649*	500*	512*	665*
Poland	7,684*	7,994*	7,890*	8,193*	8,600*	8,900*	9,100*
Romania	820*	1,135*	1,103*	1,131*	1,133*	939*	1,070*
Far East							
Communist China	10,600	9,400	10,900	9,000	10,500	12,400	13,900
North Vietnam	*N.A.*	100	100	25	25	25	60
Other							
Yugoslavia	1,083*	1,267*	1,229*	1,219*	1,234*	1,226*	1,308*

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Belgium	7,540*	7,334*	7,008*	Italy	3,715*	5,737*	7,080*	United Kingdom	19,136*	17,381*	16,540*
Canada [e]	3,514*	3,963*	5,143*	Netherlands [e]	4,517*	4,285*	1,992*	West Germany [f]	44,681*	43,294*	39,936*
France [e]	13,635*	13,409*	14,148*	Turkey	529*	1,431* [e]	1,540*				

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for oven and beehive coke and exclude breeze coke.

[b] Net production, excluding coke consumed by coking plants and including only data for the United States and those countries listed under "Other NATO Countries."

[c] Data include foundry coke, not suitable for blast furnaces.

[d] A large part of this coke is produced in gas plants and is used with high-quality coke in charging blast furnaces.

[e] Including breeze coke.

[f] Including electrode coke but excluding low-temperature coke.

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Table 83

Production of Crude Oil [a]

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [b c]	**386,000***	**441,000***	**469,000***	**499,000***	**519,000***	**529,000***	**553,000***
United States	347,975*	384,946*	409,170*	434,573*	449,885*	455,656*	475,080*
Communist Countries							
USSR and Eastern Europe	**161,000***	**258,000***	**281,000**	**304,000**	**326,000**	**344,000**	**369,000**
USSR [d]	147,859*	242,888*	265,125*	288,068*	309,150*	328,299*	353,000*
Eastern Europe	**13,200***	**15,200***	**15,600**	**16,200**	**16,400**	**16,100**	**16,400**
Bulgaria	200*	229*	404*	499*	475*	325*	334*
Czechoslovakia	137*	192*	190*	200*	205*	210*	200*
East Germany	*Negl.**	60*	125	150	150	150	150
Hungary	1,217*	1,803*	1,706*	1,686*	1,807*	1,754*	1,937*
Poland	194*	339*	400*	450*	475*	438*	424*
Romania	11,500*	12,571*	12,825*	13,206*	13,285*	13,246*	13,380*
Far East							
Communist China [c e]	4,600	8,000	10,000	10,000	11,000	14,000	18,000
Other							
Albania	728*	820*	886*	983*	1,038	1,172	1,230
Cuba	25*	57*	69*	116*	200*	185	160
Yugoslavia	944*	2,063*	2,222*	2,374*	2,494*	2,699*	2,854*

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Canada	25,630*	39,457*	61,180*	Netherlands	1,918*	2,395*	1,920*	United Kingdom	148*	83*	77* [f]
France	1,983*	2,988*	2,304*	Turkey	375*	1,533*	3,611*	West Germany	5,530*	7,884*	7,536*
Italy	1,998*	2,207*	1,404*								

Other Free World Countries [c]

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Algeria	8,632*	26,025*	47,256*	Kuwait	81,867*	109,045*	137,436*	Trucial Oman [g]	*N.A.**	13,701*	45,720*
Indonesia	20,596*	23,920*	42,084*	Libya	*N.A.**	58,378*	159,936*	Venezuela	149,372*	182,409*	194,088*
Iran	52,392*	94,126*	189,337*	Nigeria	850*	13,538*	53,220*				
Iraq	47,467*	64,474*	76,440*	Saudi Arabia	62,068*	101,033*	176,136*				

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for crude oil and exclude shale oil, natural gasoline, and synthetic crude oil.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Including shale oil.

[d] Including natural gas liquids.

[e] Including small quantities of synthetic crude oil.

[f] Data are for the previous year.

[g] Refers entirely to sheikdom of Abu Dhabi.

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200005-5

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Table 84

Production of Petroleum Products[a]

Million Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries[b]	**547***	**766***	**827***	**871***	**938***	**1,010***	**N.A.***
United States	356.8*	420.3*	443.1*	458.1*	481.6*	493.4*	520.0*
Communist Countries[c]							
USSR and Eastern Europe	**134**	**205**	**221**	**240**	**258**	**277**	**298**
USSR	113.9	172.4	185.4	202.2	215.7	230.0	248.0
Eastern Europe	**19.9**	**32.9**	**35.3**	**38.1**	**42.3**	**47.3**	**50.2**
Bulgaria	0.1	2.2*	2.8*	3.2*	3.6*	4.8*	5.6
Czechoslovakia	2.6	5.8	6.0	7.1	7.7	8.8	8.8
East Germany	3.1	6.0	7.0	7.2	7.9	9.0	9.3
Hungary	2.5*	3.9*	4.1*	4.4*	4.8*	5.2*	5.7
Poland	0.8*	3.4*	3.6*	4.1*	5.6*	6.3*	6.8
Romania	10.8*	11.6*	11.8*	12.1*	12.7*	13.2*	14.0
Far East							
Communist China	4.7	7.2	9.0	8.9	9.8	12.5	16.3
Other							
Albania	0.3	0.5	0.5	0.6	0.7	0.8	0.9
Cuba	3.1*	3.7	3.8	4.0	4.0	4.2	4.3
Yugoslavia	1.3*	2.9*	4.1*	4.5*	4.5*	5.7*	7.1*

Other NATO Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Belgium	6.6*	14.8*	26.6*	Greece	1.6*	1.8*	4.3*	Portugal	1.3*	1.6*	1.8*
Canada	35.6*	44.0*	55.9*	Italy	29.0*	65.2*	99.2*	Turkey	0.3*	4.2*	6.4*
Denmark	*Negl.**	3.6*	8.4*	Netherlands	18.5*	29.1*	48.6*	United Kingdom	40.9*	60.9*	85.1*
France	29.8*[d]	56.8*	84.6*	Norway	0.1*	2.8*	5.1*	West Germany	26.2*	60.9*	88.5*

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for (where produced) gasoline, kerosine, distillate fuel oil, lubricating oil, residual and other petroleum products, natural gasoline, and liquefied petroleum gases. Data exclude some minor miscellaneous products such as white spirits and asphalt.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Data include products from indigenous and imported natural crude oil and from synthetic sources. Synthetic production is not included in production for the USSR.

[d] Including data for Algeria.

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Table 85

Production of Natural Gas [a]

Million Cubic Meters

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [b]	**384,000***	**513,000***	**552,000***	**589,000***	**640,000***	**703,000***	**757,000***
United States [c]	359,673*	454,198*	487,240*	514,557*	547,152*	586,112*	620,340*
Communist Countries [d]							
USSR and Eastern Europe	**57,800***	**148,000***	**166,000**	**183,000**	**198,000**	**214,000**	**233,000**
USSR [e]	45,303*	127,666*	142,962*	157,445*	169,101*	181,121*	198,300*
Eastern Europe	**12,500***	**20,800***	**22,700**	**25,700**	**28,600**	**32,600**	**35,000**
Bulgaria	0*	73*	109*	329*	506*	525*	474*
Czechoslovakia [e]	1,294*	752*	816*	1,016*	833*	885*	900
East Germany	26*	133*	150	200	200	200	200
Hungary	342*	1,108*	1,552*	2,045*	2,684*	3,235*	3,469*
Poland	541*	1,312*	1,290*	1,463*	2,402*	3,672*	5,182*
Romania	10,330*	17,452*	18,789*	20,694*	21,935*	24,087*	24,790*
Other							
Yugoslavia	53*	330*	402*	461*	584*	730*	977*

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Canada	14,521*	40,925*	67,656*	Italy	6,447*	7,802*	13,164*	United Kingdom	1*	13*	11,000*
France	2,846*	5,048*	6,876*	Netherlands	330*	1,743*	29,268*	West Germany	448* [e]	2,798*	8,799* [f]

Other Free World Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Argentina	1,383*	4,222*	6,060*	Kuwait	941*	1,794*	3,660* [f]	Venezuela	4,606*	6,538*	8,920*
Iran	950*	1,230*	11,232*	Mexico [g]	9,665*	13,965*	18,804*				

* *An asterisk indicates that the data are unclassified.*

[a] Data include only gas from natural gas wells and associated gas from petroleum fields.

[b] Including only data for the United States and those countries listed under "Other NATO Countries." Data are for net production—that is, for gas actually collected and utilized as fuel or raw material. They thus exclude gas used for repressuring, as well as gas flared, vented, or otherwise wasted, whether or not it has first been processed for the extraction of natural gasoline.

[c] Data for the United States are in terms of net marketed production and agree with the general definition for the NATO data. Data for the USSR are believed to refer to gross production less losses and waste. US gross production (less losses and waste), which would include gas returned to reservoirs in order to maintain horizon pressure would be as follows (in billion cubic meters):

1960	1965	1966	1967	1968	1969
411	500	528	560	589	627

A much smaller share of total production in the USSR is believed to be used for repressuring.

[d] Gross production.

[e] Production from gasfields only.

[f] Data are for the previous year.

[g] Including gas used for repressuring and gas wasted.

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Table 86

Production of Electric Power [a]

Billion Kilowatt-Hours

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [b]	1,470*	2,050*	2,190*	2,310*	2,510*	2,730*	2,900*
United States	893.72*	1,229.64*	1,328.21*	1,398.98*	1,526.21*	1,665.18*	1,764.85*
Of which: hydro	149.12*	196.98*	197.94*	224.95*	225.87*	253.47*	250.61*
Communist Countries							
USSR and Eastern Europe	406*	677*	730*	788*	855*	920*	987*
USSR	292.27*	506.67*	544.57*	587.70*	638.66*	689.05*	740.00*
Of which: hydro	50.91*	81.43*	91.82*	88.57*	104.04*	115.18*	120.00*
Eastern Europe	114*	170*	185*	200*	217*	231*	247*
Bulgaria	4.66*	10.24*	11.76*	13.63*	15.45*	17.23*	19.51*
Czechoslovakia	24.45*	34.19*	36.47*	38.61*	41.46*	43.02*	46.00*
East Germany	40.30*	53.61*	56.87*	59.69*	63.23*	65.46*	67.65*
Hungary	7.62*	11.18*	11.86*	12.49*	13.16*	14.07*	14.50*
Poland	29.26*	43.77*	47.36*	51.24*	55.50*	60.04*	64.52*
Romania	7.65*	17.22*	20.81*	24.77*	27.83*	31.51*	35.05*
Far East							
Communist China	47*	42*	47*	41*	44*	50*	60*
North Korea	9.14*	13.4*	12.5*	14.0*	14.0*	15.0*	16.5*
North Vietnam	0.26*	0.57	0.52	0.30	0.35	0.45	0.51
Other							
Albania	0.19*	0.34*	0.40*	0.54*	0.71*	0.93*	1.04*
Cuba	2.98*	3.56*	3.66*	4.06*	4.20*	4.40*	5.09*
Yugoslavia	8.93*	15.52*	17.17*	18.70*	20.64*	23.38*	26.02*

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Belgium	15.15*	21.71*	30.58*	Iceland	0.55*	0.68*	1.48*	Portugal	3.26*	4.64*	7.20*
Canada	115.10*	146.31*	207.11*	Italy	56.24*	82.97*	118.28*	Turkey	2.82*	4.95*	8.62*
Denmark	5.57*	7.93*	20.37*	Luxembourg	1.54*	2.30*	2.15*	United Kingdom	136.97*	195.99*	248.44*
France	75.01*	105.52*	145.92*	Netherlands	16.52*	25.01*	40.81*	West Germany	116.42*	168.76*	237.42*
Greece	2.29*	4.38*	9.43*	Norway	31.14*	49.06*	57.39*				

Other Free World Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
India [c]	20.12*	36.82*	61.85*	Spain	18.61*	31.72*	55.91*	Sweden	34.72*	49.11*	60.61*
Japan	111.49*	188.38*	349.41*								

* *An asterisk indicates that the data are unclassified.*

[a] Data are for total (gross) production at generating centers and therefore include transmission losses and station use. (See footnote b.)

[b] Data are gross production or estimates of gross production based on reported net, adjusted by increasing by 7.5% the thermal electric production to include production that is consumed by the station itself. Hydroelectric production that is consumed by the station itself is a negligible part of the total gross production. Therefore, no attempt has been made to adjust the net production for hydroelectric power.

[c] Data are for the year beginning 1 April of the stated year.

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Table 87

Installed Electric Power Generating Capacity [a] in Selected Free World and Communist Countries

Thousand Kilowatts

	1960	1965	1966	1967	1968	1969	1970
FREE WORLD COUNTRIES							
United States	186,534*	254,519*	266,816*	288,185*	310,181*	332,417*	359,618* [b]
Canada	23,035*	29,348*	30,765*	32,763*	35,908*	34,469*	*N.A.** [b]
France	21,851*	28,209*	30,217*	31,613*	34,133*	36,326*	*N.A.** [b]
Italy	17,686*	25,398*	26,757*	28,801*	31,034*	31,034*	*N.A.** [b]
United Kingdom	36,702*	49,399*	51,863*	55,785*	59,628*	61,372*	*N.A.** [b]
West Germany	27,097*	40,123*	42,434*	45,015*	47,052*	48,812*	*N.A.** [b]
India [c]	5,650*	10,173*	11,376*	13,153*	14,313*	15,493*	*N.A.** [b]
Japan [c]	23,657*	41,004*	44,814*	49,545*	53,187*	59,482*	*N.A.** [b]
COMMUNIST COUNTRIES							
USSR and Eastern Europe							
USSR	66,721*	115,033*	123,007*	131,727*	142,504*	153,790	166,000 [b]
Eastern Europe							
Bulgaria	925*	2,155*	2,641*	2,865*	3,462*	3,940*	4,035*
Czechoslovakia	5,662*	8,206*	9,149*	9,589*	10,071*	10,162*	10,612*
East Germany	7,904*	10,350*	11,067*	11,522*	11,673*	11,910*	12,410* [b]
Hungary	1,479*	1,998*	2,007*	2,060*	2,601*	2,537*	2,930*
Poland	6,316*	9,672*	9,920*	10,933*	11,591*	12,861*	13,875*
Romania	1,779*	3,258*	4,471*	5,198*	5,611*	6,432*	7,400*
Far East							
Communist China	10,900*	13,700	14,800	15,500	16,000	17,000	18,100
North Korea	1,500*	2,120	2,350	2,410	2,530*	2,700*	2,800*
North Vietnam [d]	110	175	187	187	187	187	187
Other							
Cuba	935*	965*	1,105*	1,195*	1,335*	1,350*	1,350*
Yugoslavia	2,402*	3,728*	4,268*	4,480*	4,876*	5,613*	6,745

* *An asterisk indicates that the data are unclassified.*

[a] All plants for both public and industrial use. Unless otherwise indicated, data are as of the end of the year.

[b] Nuclear generating capacity installed as of 1970 was as follows (in thousand kilowatts): United States, 6,506; Canada, 245; France, 1,626; Italy, 642; United Kingdom, 4,732; West Germany, 936; India, 400; Japan, 863; USSR, 1,930; and East Germany, 70.

[c] Data are for the year beginning 1 April of the stated year.

[d] Percentage out of operation as a result of bomb damage is as follows: 1965, 27%; 1966, 32%; 1967, 65%; 1968, 45%; 1969, 40%; and 1970, 30%.

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Table 88

Production of Crude Steel [a]

Million Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [b]	194*	244*	243*	241*	257*	274*	270*
United States [c]	90.07*	119.26*	121.65*	115.41*	119.26*	128.15*	119.14*
Communist Countries							
USSR and Eastern Europe	86.5*	120*	128*	136*	142*	148*	156*
USSR	65.29*	91.02*	96.91*	102.22*	106.54*	110.30*	115.80*
Eastern Europe	21.2*	28.7*	30.6*	33.3*	35.6*	37.4*	40.1*
Bulgaria [d]	0.30*	0.65*	0.76*	1.30*	1.52*	1.57*	1.86*
Czechoslovakia	6.77*	8.60*	9.12*	10.00*	10.56*	10.80*	11.48*
East Germany	3.75*	4.37*	4.54*	4.70*	4.82*	5.14*	5.37*
Hungary	1.89*	2.52*	2.65*	2.74*	2.90*	3.03*	3.11*
Poland	6.68*	9.09*	9.85*	10.45*	11.01*	11.29*	11.79*
Romania	1.81*	3.43*	3.67*	4.09*	4.75*	5.54*	6.52*
Far East							
Communist China	13.0	11.0	13.0	10.0	11.5	14.5	17.0
North Korea	0.64*	1.23	1.30	1.50	1.60	1.80	2.20
Other							
Cuba	*N.A.*	0.04*	0.07*	0.10*	0.12*	0.13*	0.15*
Yugoslavia	1.44*	1.77*	1.87*	1.83*	2.00*	2.22*	2.23*

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Belgium	7.18*	9.16*	12.60*	Italy	8.23*	12.68*	17.23*	Portugal	*Negl.**	0.27*	0.38*
Canada	5.27*	9.13*	11.20*	Luxembourg	4.08*	4.58*	5.46*	Turkey	0.28*	0.45*	0.68*
Denmark	0.32*	0.41*	0.47*	Netherlands	1.94*	3.14*	5.03*	United Kingdom	24.70*	27.44*	28.33*
France	17.28*	19.60*	23.76*	Norway	0.48*	0.69*	0.87*	West Germany	34.10*	36.82* [f]	45.04* [f]
Greece	0.06*	0.21*	0.21* [e]								

Other Free World Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Australia	3.75*	5.46*	6.82*	Japan	22.14*	41.16*	93.32*	Spain	1.92*	3.52*	7.39*
India	3.29*	6.41* [g]	5.86* [g]	South Africa	2.11* [h]	3.29*	4.66*	Sweden	3.22*	4.73*	5.48*

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for ingots and steel for castings.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Excluding steel for castings made in foundries operated by companies not producing ingots.

[d] Including an estimate for steel for castings for all years.

[e] Data are for the previous year.

[f] Including data for West Berlin, for which separate data are not available.

[g] Ingots only.

[h] Including finished castings for sale.

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200005-5

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Table 89

Production of Rolled Steel [a]

Million Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [b]	**151**	**188**	**186**	**183**	**199**	**200**	**N.A.**
United States	69.35	90.09	90.00	84.45	89.92	85.16	*N.A.*
Communist Countries							
USSR and Eastern Europe	**65.1**	**90.6**	**97.6**	**104**	**110**	**113**	**120**
USSR	50.96	70.91	76.65	81.71	85.30	87.50	92.40
Eastern Europe	**14.1**	**19.7**	**21.0**	**22.4**	**24.4**	**25.4**	**27.5**
Bulgaria	0.19	0.43	0.48	0.61	1.03	1.21	1.43
Czechoslovakia	4.48	6.09	6.52	7.12	7.51	7.50	7.88
East Germany	2.61	2.99	3.05	3.08	3.16	3.18	3.28
Hungary	1.19	1.70	1.73	1.76	1.98	2.02	2.04
Poland	4.42	6.13	6.58	6.95	7.33	7.66	8.13
Romania	1.25	2.35	2.59	2.91	3.39	3.82	4.70
Other							
Yugoslavia	0.97	1.19	1.23	1.18	1.51	1.66	1.77

Other NATO Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Belgium [c]	5.88	7.72	10.66	Italy	7.78	10.62	14.36	Portugal	*N.A.*	0.23	0.30
Canada	4.13	6.72	7.56 [d]	Luxembourg	3.22	3.60	4.32	Turkey	0.21	0.40	0.56
Denmark	0.22	0.29	0.43	Netherlands	1.69	2.38	3.72	United Kingdom	18.41	20.76	21.57
France	13.70	15.72	17.99	Norway	0.33	0.53	0.61	West Germany	25.84	28.48	33.03

Other Free World Countries

	1960	1965	1969
Japan	17.20	33.42	67.16

[a] Unless otherwise indicated, data are for hot-rolled steel.
[b] Including only data for the United States and those countries listed under "Other NATO Countries."
[c] Including steel forgings and rolled wrought-iron products.
[d] Data are for the previous year.

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Table 90

Production of Pig Iron and Blast-Furnace Ferroalloys [a]

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [b]	**136,000***	**169,000***	**169,000***	**169,000***	**179,000***	**191,000***	**191,000***
United States	61,072*	80,584*	83,605*	79,505*	81,042*	86,617*	83,400*
Communist Countries							
USSR and Eastern Europe	**60,200***	**84,100***	**89,300***	**95,600***	**100,000***	**104,000***	**109,000***
USSR	46,757*	66,184*	70,264*	74,812*	78,788*	81,600*	85,900*
Eastern Europe	**13,400***	**17,900***	**19,100***	**20,800***	**21,700***	**22,200***	**23,500***
Bulgaria	192*	695*	903*	1,028*	1,109*	1,134*	1,252*
Czechoslovakia	4,696*	5,868*	6,269*	6,822*	6,918*	7,009*	7,200*
East Germany	1,995*	2,338*	2,448*	2,525*	2,333*	2,098*	1,993*
Hungary	1,244*	1,577*	1,633*	1,655*	1,638*	1,753*	1,822*
Poland	4,253*	5,375*	5,611*	6,327*	6,670*	6,734*	7,050*
Romania	1,014*	2,019*	2,198*	2,456*	2,992*	3,477*	4,210*
Far East							
Communist China	14,100	12,500	14,500	12,000	14,000	16,500	18,500
North Korea [c]	870*	1,320	1,400	1,600	1,700	1,800	2,000
North Vietnam	10*	200	150	40	15	15	50
Other							
Yugoslavia	972*	1,115*	1,143*	1,177*	1,201*	1,198*	1,275*

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Belgium	6,553*	8,366*	10,848*	Luxembourg [d]	3,713*	4,145*	4,812*	Turkey	247*	424*	600*
Canada	4,025*	6,587*	8,436*	Netherlands	1,346*	2,365*	3,600*	United Kingdom	16,016*	17,740*	17,676*
Denmark	69*	78*	210*	Norway	373*	526*	600*	West Germany	25,729*	26,989* [d]	33,650* [e]
France	14,144*	15,769*	18,800*	Portugal	*Negl.**	279*	317*				
Italy	2,715*	5,501*	8,400*								

Other Free World Countries [f]

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Australia	2,939*	4,313*	6,144*	India	4,275*	7,124*	6,828*	South Africa	2,000*	3,603*	4,344*
Brazil	1,783*	2,341*	2,800*	Japan	11,896*	27,502*	68,048*				

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for pig iron and blast-furnace ferroalloys and exclude ferroalloys obtained from electric furnaces and sponge iron.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Including sponge iron.

[d] Including small quantities of foreign-produced pig iron returned to furnaces.

[e] Including data for West Berlin, for which separate data are not available.

[f] Data may include some electric-furnace ferroalloys.

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Table 91

Production of Iron Ore [a]

Million Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [b]	218*	220*	217*	205*	219*	216*	227*
United States [c]	89.04*	89.18*	92.16*	85.55*	87.27*	90.68*	92.30*
Communist Countries [d]							
USSR and Eastern Europe	115*	165*	173*	181*	189*	198*	207*
USSR	105.86*	153.43*	160.27*	168.25*	176.62*	186.13*	195.50*
Eastern Europe	9.34*	12.0*	13.0*	12.7*	12.1*	12.2*	11.8*
Bulgaria	0.42*	1.80*	2.61*	2.50*	2.64*	2.69*	2.41*
Czechoslovakia	3.12*	2.44*	2.24*	1.91*	1.57*	1.57*	1.56*
East Germany	1.64*	1.65*	1.72*	1.68*	1.41*	1.45*	1.40*
Hungary	0.52*	0.76*	0.75*	0.72*	0.64*	0.68*	0.63*
Poland	2.18*	2.86*	3.05*	3.08*	3.05*	2.82*	2.55*
Romania	1.46*	2.48*	2.68*	2.80*	2.75*	3.00*	3.21*
Far East							
Communist China	28.00	25.00	29.00	24.00	28.00	33.00	37.00
North Korea	3.11*	4.96* [e]	5.00*	5.46	5.50	5.70	6.00
North Vietnam	0.02*	0.40	0.30	0.08	0.03	0.03	0.10
Other							
Albania [f]	0.26*	0.39*	0.39*	0.40*	N.A.	N.A.	N.A.
Yugoslavia	2.20*	2.50*	2.49*	2.58*	2.72*	2.72*	3.69*

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Belgium	0.16*	0.09*	0.09*	Greece	0.30*	0.30*	0.30*	Portugal	0.29*	0.19*	0.13*
Canada [g]	19.55*	36.25*	47.18*	Italy	1.25*	0.81*	0.73*	Turkey	0.79*	1.55*	2.51* [i]
Denmark	0.07*	0.04*	0.03*	Luxembourg	6.98*	6.32*	5.72*	United Kingdom [j]	17.36*	15.66*	12.04*
France	66.91*	59.52*	56.00*	Norway [h]	1.58*	2.42*	4.01*	West Germany [k]	14.18*	7.95* [i]	5.53* [i]

Other Free World Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Australia	4.50*	6.80*	50.99*	India	16.61*	23.74*	29.35*	Sweden [n]	21.69*	29.35*	31.81*
Brazil	9.35*	20.75*	27.22* [i] [m]	Liberia	3.20*	16.15*	21.74* [i]	Venezuela	19.49*	17.65*	22.70*

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for the gross amount of marketable iron ores in the state in which they leave the mines, including manganiferous ores but excluding pyrites.

[b] Including data for the United States and those countries listed under "Other NATO Countries." The metal content of the ore in the NATO countries and other Free World countries follows: Luxembourg and the United Kingdom, 27%-30%; Belgium, France and West Germany, 31%-34%; Greece, Italy, Portugal, and the United States, 46%-50%; Canada, 55%; Turkey, 55%-60%; Sweden, 61%; and India, Norway, and Venezuela, 57%-62%; Australia, Brazil, and Liberia, 65%-70%. The metal content of iron ore in Denmark is not available.

[c] Excluding manganiferous iron ore containing 5% or more of manganese.

[d] The metal content of the ore in selected Communist countries follows: the USSR, in terms of dressed ore, 55% of the ore; Communist China, 20%-50%; North Korea, 40%-50%; Albania, 50%-55% (1% nickel); Bulgaria, 38%-50%; Czechoslovakia, 34%; East Germany, 25%-30%; Hungary, 24%-28%; Poland, 30%; Romania, 32%-40%; Yugoslavia, 40%; and North Vietnam, 55%.

[e] Based on an announced increase for 1965 of 24% applied to 1964 plan data.

[f] Iron-nickel ore that is mined for its nickel content.

[g] Shipments.

[h] Data are for concentrates only and exclude titaniferous ores.

[i] Data are for the previous year.

[j] Excluding certain grades.

[k] Merchant ores and concentrates.

[l] Including data for West Berlin, for which separate data are not available.

[m] Exports.

[n] Including concentrates.

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Table 92

Production of Manganese Ore[a]

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries[b]	189*	197*	103*	93.4*	104*	85.2*	N.A.*
United States[c]	73*	27*	13*	11*	10*	5*	4*
Communist Countries							
USSR and Eastern Europe	6,350*	8,040*	8,150*	7,640*	6,980*	6,960*	6,470*
USSR	5,872*	7,576*	7,706*	7,175*	6,564*	6,551*	6,100*
Eastern Europe	477*	461*	442*	463*	412*	406*	372*
Bulgaria	25*	42*	30*	44*	41*	39*	32*
Czechoslovakia	154*	80*	90*	80*	86*	84*	82*
Hungary	123*	213*	210*	209*	155*	156*	158*
Romania	175*	126*	112*	130*	130*	127*	100*
Far East							
Communist China	708	312	375	340	375	400	450
Other							
Cuba	123*	120	115	N.A.	N.A.	N.A.	N.A.
Yugoslavia	13*	8*	9*	10*	14*	12*	N.A.

Other NATO Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Greece	31*	11*	6*	Portugal	7*	8*	8*	Turkey	28*	14*	13*
Italy	49*	48*	53*								

Other Free World Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Australia	62*	102*	922*	Gabon	N.A.*	1,280*	1,363*	South Africa	1,194*	1,567*	2,204*
Brazil	999*	1,306*	1,965*	India	1,199*	1,647*	1,605*				

* *An asterisk indicates that the data are unclassified.*

[a] The metal content of the ore of various countries is as follows: the United States, more than 35%; other Free World countries and Cuba, 30% to 53%; the USSR, about 45%; Communist China and Yugoslavia, about 35%; Romania, 30%; Czechoslovakia, less than 30%; Bulgaria, about 27%; and Hungary, 26%.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Shipments.

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Table 93

Production of Refined Nickel[a]

Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries[b]	205,000*	240,000*	230,000*	258,000*	269,000*	224,000*	N.A.*
United States[c]	12,975*	12,256*	12,008*	13,259*	13,747*	14,167	N.A.*
Communist Countries							
USSR and Eastern Europe	72,200	100,000	107,000	115,000	N.A.	N.A.	N.A.
USSR	72,000	100,000	107,000	115,000	124,000	133,000	140,000
Eastern Europe	222	50	0	0	N.A.	N.A.	N.A.
East Germany	222	50	0	0	N.A.	N.A.	N.A.
Other							
Cuba[d]	14,700	28,230	27,855	32,440	37,320	37,000	36,000

Other NATO Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Canada[e]	114,735*	147,000*	128,275*	Italy	500*	350*	N.A.*	United Kingdom	34,300*	40,487*	29,695*
France[f]	10,016*	8,150*	9,470*	Norway	30,428*	31,835*	35,601*	West Germany	2,523*	305*	500*
Greece	N.A.*	N.A.*	5,644*								

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for refined metal.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Nickel recovered from refined domestic ore and nickel recovered as a byproduct of electrolytic refining of copper. Secondary nickel produced from nonferrous scrap is excluded.

[d] Nickel content of oxides and sulfides.

[e] Including nickel and content of oxides and salts produced, plus exports of recoverable nickel in matte and concentrates.

[f] Excluding data for New Caledonia.

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Table 94

Production of Chromite [a]

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [b]	279*	264*	298*	254*	240*	283*	N.A.*
United States [c]	37.4* [d]	*Negl.**	*Negl.**	*Negl.**	*Negl.**	*Negl.**	*Negl.**
Communist Countries [e]							
USSR	519.5	1,160	1,195	1,240	1,290	1,335	1,380
North Vietnam	19.4*	12.0	*Negl.*	*Negl.*	5.0	3.0	2.0
Albania	130.1*	141.2	137.1	148.5	164.6	189.3	200
Cuba	10.0* [f]	14.4	13.1	*N.A.*	*N.A.*	*N.A.*	*N.A.*
Yugoslavia	25.4*	20.8*	14.1*	12.3*	11.8*	*N.A.*	*N.A.*

Other NATO Countries

	1960	1965	1969		1960	1965	1969
Greece	20.6*	21.5*	23.6*	Turkey	220.7*	242.2*	259.5*

Other Free World Countries

	1960	1965	1969		1960	1965	1969
India	50*	30*	110*	Rhodesia	291*	281*	200*
Philippines	249*	192*	168*	South Africa	340*	421*	539*

* *An asterisk indicates that the data are unclassified.*

[a] Estimated chromic oxide (Cr_2O_3) content of ores mined. In many instances, data are only approximate.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Shipments.

[d] Production for the Federal Government only.

[e] The following percentages were used to reduce the estimates of ores mined in the Communist countries to show the chromic oxide content: USSR, a part at 50% and the remainder at 40%; North Vietnam, at 50%; Albania, at 45%; Cuba, at 35%; and Yugoslavia, at about 26%.

[f] US imports.

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Table 95

Production of Molybdenum [a]

Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [b]	**31,500***	**39,700***	**50,600***	**50,900***	**51,800***	**59,300***	**65,700***
United States	30,952*	35,095*	41,065*	40,867*	42,387*	45,272*	50,202*
Communist Countries							
USSR	4,800	7,300	7,600	8,000	8,500	9,000	9,500
Far East							
Communist China	3,800	1,000	1,000	1,000	1,000	1,000	1,000

Other NATO Countries

	1960	1965	1970		1960	1965	1970
Canada [c]	348*	4,335*	15,195*	Norway	246*	239*	299* [d]

Other Free World Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Chile	1,852*	3,693*	4,264*	Japan	381*	277*	269* [d]	Peru	*Negl.**	680*	227*

* *An asterisk indicates that the data are unclassified.*
[a] Molybdenum content of ores and concentrates.
[b] Including only data for the United States and those countries listed under "Other NATO Countries."
[c] Shipments.
[d] Data are for the previous year.

Table 96

Production of Cobalt [a]

Metric Tons

	1960	1965	1966	1967	1968	1969	1970
Free World Countries							
Canada [b]	1,618*	1,655*	1,593*	1,635*	1,829*	1,453*	1,814*
Congo (Kinshasa) [c]	8,222*	8,388*	11,297*	9,718*	10,549*	9,979*	10,433*
Finland [d]	*N.A.**	1,493*	1,438*	1,800*	1,701*	1,633*	*N.A.**
Morocco	1,271*	1,832*	1,994*	1,928*	1,669*	1,542*	1,451*
West Germany [c]	1,525*	1,356*	1,111*	883*	809*	784*	*N.A.**
Zambia [c]	1,847*	1,544*	1,515*	1,455*	1,197*	1,497*	1,542*
Communist Countries							
USSR	1,640	3,400	3,800	4,000	4,200	4,400	4,700

* *An asterisk indicates that the data are unclassified.*
[a] Unless otherwise indicated, data are for the cobalt content of ores mined.
[b] Including metal, salts, and oxides recovered from smelter products and residues exported.
[c] Cobalt content of alloys.
[d] Cobalt content of sulfides.

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Table 97

Production of Tungsten Ore [a]

Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [b]	**10,300***	**11,700***	**13,200***	**10,800***	**15,200***	**14,600***	**15,600***
United States [c]	6,645*	7,213*	8,086*	8,245*	9,712*	8,966*	9,500*
Communist Countries							
USSR	11,400	14,000	14,000	14,000	14,000	14,000	14,500
Far East							
Communist China	28,700	14,600	14,400	12,000	12,000	12,000	13,000
North Korea	3,000	4,300	4,400	4,500	4,600	4,800	5,000

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Canada	*N.A.**	2,826*	3,300*	Italy	7*	1*	1*	Portugal	2,917*	1,644*	2,800*
France	683*	0*	0*								

Other Free World Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Australia	1,882*	1,992*	2,800*	Brazil	1,694*	383*	1,821* [e]	South Korea	5,734*	4,479*	4,300*
Bolivia [d]	2,150*	1,823*	3,900*	Peru	488*	797*	1,409* [e]	Thailand	442*	555*	1,370* [e]

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for the estimated tonnage of tungsten concentrates, 60% tungsten trioxide (WO_3) basis.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Shipments.

[d] Exports.

[e] Data are for the previous year.

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Table 98

Production of Gold [a]

Million US $

	1960	1965	1966	1967	1968	1969	1970
FREE WORLD COUNTRIES							
United States	58.8*	58.6*	63.1*	55.4*	53.9*	60.1*	63.0*
Australia	38.0*	30.7*	32.0*	28.2*	27.4*	24.5*	21.6*
Canada	162.0*	125.6*	114.6*	103.7*	94.1*	89.1*	81.8*
Colombia	15.2*	11.2*	9.8*	9.0*	8.4*	7.7*	7.1*
Congo (Kinshasa)	11.1*	2.3*	5.6*	5.3*	5.9*	6.0*	6.0*
Ghana	30.8*	26.7*	24.0*	26.7*	25.4*	24.8*	24.8*
India	5.6*	4.6*	4.2*	3.6*	4.0*	3.4*	5.0*
Japan	11.8*	18.1*	19.4*	23.7*	21.5*	23.7*	24.8*
Mexico	10.5*	7.6*	7.5*	6.4*	6.2*	6.3*	6.7*
Nicaragua	6.9*	5.4*	5.2*	5.2*	4.9*	3.7*	3.7*
Peru	4.9*	3.7*	3.9*	3.0*	2.9*	3.2*	3.0*
Philippines	14.4*	15.4*	15.9*	17.2*	18.5*	20.0*	20.7*
Rhodesia	19.7*	19.0*	19.3*	18.0*	17.5*	20.0*	20.0*
South Africa	748.4*	1,069.0*	1,080.8*	1,061.6*	1,088.0*	1,090.8*	1,137.5*
COMMUNIST COUNTRIES							
USSR	124	176	188	198	207	218	232
Communist China	35.0	24.5	24.5	22.0	22.0	22.0	22.0
Czechoslovakia	2.3	2.6	2.7	2.7	2.7	2.7	*Negl.*
Romania	12.8	17.0	20.0	25.0	26.0	26.0	26.0

* *An asterisk indicates that the data are unclassified.*

[a] Based on a value of $35 per troy ounce.

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Table 99

Production of Refined Copper [a]

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [b]	**2,850***	**3,280***	**3,300***	**2,760***	**3,180***	**3,420***	**3,600***
United States [c]	1,642.6*	1,956.7*	1,997.4*	1,396.7*	1,681.9*	2,033.0*	2,064.6*
Communist Countries							
USSR and Eastern Europe	**591**	**913**	**975**	**1,070**	**1,160**	**1,230**	**1,300**
USSR	490.0*	772.0*	828.0*	915.0*	992.0*	1,048.0*	1,100.0*
Eastern Europe	**101**	**141**	**147**	**158**	**167**	**181**	**204**
Bulgaria	14.0*	23.9*	25.7*	33.5*	36.5*	36.3*	40.5*
Czechoslovakia	10.1*	12.3*	12.3*	11.1*	14.1*	16.4*	17.0*
East Germany	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*	37.5*
Hungary	8.2*	12.0*	12.0*	12.0*	12.0*	12.0*	12.0*
Poland	21.7*	37.4*	39.8*	42.2*	43.6*	54.7*	72.2*
Romania	7.0	15.0	17.0	19.0	21.0	22.0	25.0
Far East							
Communist China	90.0	201	207	162	133	262	281
North Korea	8.5*	18.0*	19.0*	21.0*	21.0*	21.0	21.0
Other							
Albania [d]	0.9*	4.2*	4.8*	4.8*	5.5*	6.4*	7.0*
Yugoslavia	35.1*	56.4*	62.9*	66.2*	70.1*	82.0*	89.3*

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Belgium	211.8*	280.0*	336.4*	Italy	15.6*	12.7*	13.3*	Turkey	11.7*	6.5*	14.1*
Canada	378.2*	393.8*	492.7*	Norway	17.1*	14.8*	25.8*	United Kingdom	218.9*	227.6*	206.2*
France	40.2*	41.1*	33.5*	Portugal	5.3*	3.8*	3.6*	West Germany	309.1*	342.4*	405.8* [e]

Other Free World Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Australia	84.2*	95.2*	143.3*	Congo (Kinshasa)	144.7*	152.6*	190.2*	Zambia	402.6*	522.3*	577.0*
Chile	225.6*	288.8*	464.3*	Japan	248.1*	365.7*	705.0*				

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for primary and secondary refined copper produced from domestic and imported ores and scrap.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Including production from secondary plants and copper refined by manufacturers for their own use.

[d] Blister copper.

[e] Including data for West Berlin, for which separate data are not available.

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Table 100

Production of Primary Aluminum

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries[a]	3,210*	4,260*	4,600*	4,980*	5,110*	5,750*	5,910*
United States	1,828*	2,499*	2,693*	2,966*	2,952*	3,444*	3,612*
Communist Countries							
USSR and Eastern Europe	793	1,210	1,430	1,610	1,830	1,970	2,110
USSR	630	1,000	1,160	1,295	1,475	1,595	1,720
Eastern Europe	163*	206	267	319	351	374	394
Czechoslovakia	52*	56*	60*	60*	60*	60*	60*
East Germany	35*	45	45	52	58	63	63
Hungary	50*	58*	60*	62*	63*	64*	64*
Poland	26*	47*	55*	92*	94*	97*	100*
Romania[b]	0*	0*	47*	53*	76*	90*	107*
Far East							
Communist China	80	115	125	145	180	195	230
Other							
Yugoslavia	25*	39*	42*	45*	48*	48*	50*

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Canada	691*	753*	890*	Italy	84*	124*	146*	United Kingdom[c]	29*	36*	40*
France	238*	340*	382*	Norway[c]	171*	276*	530*	West Germany	169*	234*[d]	310*[d]

Other Free World Countries

	1960	1965	1970		1960	1965	1970
India	18*	62*	160*	Japan	133*	294*	733*

* *An asterisk indicates that the data are unclassified.*

[a] Including only data for the United States and those countries listed under "Other NATO Countries."

[b] Primary aluminum and aluminum alloys.

[c] Including the pure content of virgin alloys.

[d] Including data for West Berlin, for which separate data are not available.

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Table 101

Production of Bauxite

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [a]	5,300*	5,860*	6,260*	6,400*	6,370*	6,820*	7,450*
United States	2,030*	1,681*	1,825*	1,681*	1,692*	1,873*	2,032*
Communist Countries							
USSR and Eastern Europe	4,390	6,350	6,660	7,310	7,580	7,240	7,370
USSR [b]	3,110	4,860	5,220	5,460	5,370	5,000	5,000
Eastern Europe	1,280*	1,490*	1,440*	1,850*	2,210*	2,240*	2,370*
Hungary	1,190*	1,478*	1,429*	1,649*	1,959*	1,935*	2,022*
Romania	88*	12*	15*	200*	250*	300*	350*
Far East							
Communist China [c]	640	920	1,000	1,160	1,432	1,560	1,670
Other							
Yugoslavia	1,025*	1,574*	1,887*	2,131*	2,072*	2,128*	2,099*

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
France	2,068*	2,662*	2,845*	Italy	313*	245*	224*	West Germany	4*	4*	3* [d]
Greece	884*	1,270*	2,345*								

Other Free World Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Australia	70*	1,187*	9,144*	Jamaic	5,837*	8,651*	11,177*	Surinam	3,455*	4,360*	6,096*

* *An asterisk indicates that the data are unclassified.*

[a] Including only data for the United States and those countries listed under "Other NATO Countries."

[b] Including nonbauxite ore such as nepheline and alunite for the production of alumina.

[c] Data are for aluminous shales and clays used for the manufacture of aluminum and exclude shales exported and those used for refractories, abrasives, and cement.

[d] Data are for the previous year.

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Table 102

Smelter Production of Lead [a]

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [b]	844*	938*	955*	960*	1,040*	1,210*	1,230*
United States [c]	346.9*	379.4*	399.8*	344.6*	423.9*	579.4*	600.0*
Communist Countries							
USSR and Eastern Europe	436	608*	647*	706*	739*	782*	822*
USSR	321.0*	433.0*	463.0*	495.0*	528.0*	563.0*	597.0*
Eastern Europe	112	175*	184*	211*	211*	218*	225*
Bulgaria	40.4*	93.4*	92.8*	96.6*	92.7*	95.1*	96.4*
Czechoslovakia	9.1*	14.6*	14.6*	17.5*	17.9*	20.7*	21.8*
East Germany	10.4	12.5*	12.5*	12.5*	12.5*	12.5*	12.5*
Hungary	0.5	0.5*	0.5*	0.5*	0.5*	0.5*	0.5*
Poland [d]	39.7*	41.4*	42.5*	44.8*	48.7*	50.7*	54.5*
Romania [d]	12.0*	12.2*	20.0*	39.0*	39.0*	39.0*	39.0*
Far East							
North Korea	34.0	54.0*	57.0*	61.0*	61.0*	61.0*	61.0*
Other							
Yugoslavia	89.1*	101.6*	97.8*	93.8*	94.8*	107.0*	97.4*

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Belgium [e]	92.7*	110.8*	90.0*	Greece	3.1*	5.2*	11.6* [f]	Turkey	0.5*	0.9*	0.6* [f]
Canada	144.0*	169.2*	186.0*	Italy	41.6*	45.4*	54.2*	United Kingdom	1.1* [g]	23.0*	39.1* [f]
France	74.4*	98.4*	135.0*	Portugal [e]	0.9*	1.3*	1.0* [f]	West Germany	139.2*	104.0* [h]	111.6* [h]

Other Free World Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Australia [i]	192.9*	196.8*	180.0*	Japan	69.4*	108.4*	180.0*	Mexico	186.2*	164.3*	169.0* [f]

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for smelter production of lead produced from domestic and imported ores and concentrates, excluding all metal produced from scrap (secondary metals).

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Excluding refined lead produced from imported base bullion.

[d] Probably including some secondary metal.

[e] Including secondary metal.

[f] Data are for the previous year.

[g] Excluding lead bullion from imported ores and concentrates.

[h] Including data for West Berlin, for which separate data are not available.

[i] Excluding lead bullion for exports.

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Table 103

Production of Refined Zinc [a] — Thousand Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries[b]	1,850*	2,200*	2,280*	2,160*	2,390*	2,610*	2,440*
United States[c]	787.7*	978.0*	1,005.3*	918.4*	982.7*	1,008.0*	871.2*
Communist Countries							
USSR and Eastern Europe	575	793	861	933	1,010*	1,080*	1,140*
USSR[d]	364.0*	504.0*	551.0*	610.0*	678.0*	748.0	800.0*
Eastern Europe	211	289	310	323	331*	336*	335*
Bulgaria	16.9*	65.8*	76.8*	73.9*	75.1*	75.8*	74.2*
Czechoslovakia	2.0*	3.0*	3.0*	3.0*	3.0*	3.0*	3.0*
East Germany	4.1	14.0	13.8	13.8	13.8*	13.8*	13.8*
Hungary	0.4*	0.4*	0.4*	0.4*	0.4*	0.4*	0.4*
Poland	175.5*	190.4*	193.0*	196.1*	203.0*	208.0*	209.0*
Romania	12.5	15.4*	23.1*	35.5*	35.5*	35.5*	35.0*
Far East							
North Korea	55.0*	80.0*	84.0*	88.0*	88.0*	88.0*	88.0*
Other							
Yugoslavia	35.9*	46.1*	51.1*	53.2*	78.5*	81.1*	65.0*

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Belgium	247.6*	238.1*	231.9*	Italy	85.2*	80.9*	143.2*	United Kingdom	75.5*	106.8*	146.5*
Canada	238.2*	325.5*	411.4*	Netherlands	36.1*	41.8*	46.7*	West Germany	191.9*	182.2*	301.0*
France	146.4*	192.0*	223.7*	Norway	43.6*	52.4*	61.5*				

Other Free World Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Australia	122.2*	202.2*	260.9*	Japan	180.5*	367.8*	676.2*	Mexico	52.9*	62.6*	78.4*

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for electrolytic and distilled (including redistilled) zinc produced from domestic and imported ores and scrap and other secondary materials.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Including production from secondary smelters. Production of primary zinc in the United States was as follows (in metric tons): 1960, 725,300; 1965, 902,100; 1966, 929,900; 1967, 851,800; 1968, 926,200; 1969, 944,400; and 1970, 880,000.

[d] Primary metal only, representing slightly less than 80% of total production.

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Table 104

Smelter Production of Primary Tin Metal[a]

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries[b]	56.8*	44.6*	41.4*	43.3*	44.0*	38.6*	39.4*
United States[c]	13.7*	3.1*	3.9*	3.1*	3.5*	0.4*	5.6*
Communist Countries							
USSR and Eastern Europe	11.4	15.2	16.4	18.0	19.3	20.9	22.6
USSR	10.6	14.0	15.2	16.7	18.0	19.6	21.3
Eastern Europe	0.8	1.2*	1.2*	1.3*	1.3*	1.3	1.3
East Germany	0.8	1.2*	1.2*	1.3*	1.3*	1.3	1.3
Far East							
Communist China	28.0	11.0	11.0	8.0	9.0	10.0	10.0

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Belgium	8.4*	4.3*	4.1*	Portugal	0.6*	0.6*	0.4*	West Germany	0.8*	1.4*	1.3*
Netherlands	6.5*	18.4*	5.9*	United Kingdom	26.8*	16.8*	22.0*				

Other Free World Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Malaysia	77.6*	7[illegible]*	92.3*	Nigeria	0*	9.5*	8.0*	Thailand	0.2*	5.6*	21.8*

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for primary (virgin) metal and exclude tin derived from scrap or detinning.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Estimated data based on imports of tin concentrates.

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200005-5

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200005-5

Table 105

Production of Primary Magnesium [a]

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [b]	64.9*	124*	121*	138*	141*	143*	153*
United States	36.4*	73.8*	72.4*	88.4*	89.2*	90.6*	100.0*
Communist Countries							
USSR	25.0	66.5	71.0	76.0	84.0	90.0	94.0

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Canada	6.6*	9.2*	10.2*	Italy	5.4*	6.3*	6.4*	United Kingdom [c]	3.7*	5.4*	0* [d]
France	2.1*	2.8*	4.6*	Norway	10.3*	26.4*	31.9*	West Germany	0.3*	0.5*	N.A.*

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for primary (virgin) metal in ingots and ingot equivalent of other forms.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Including remelt alloys.

[d] Production suspended in June 1966.

Table 106

Production of Titanium Sponge Metal [a] in the US and the USSR

Metric Tons

	1960	1965	1966	1967	1968	1969	1970
United States	4,818*	8,100* [b]	15,000* [b]	18,000* [b]	17,000* [b]	16,000* [b]	16,000* [b]
USSR	3,000	9,000	11,000	13,000	15,000	18,000	18,000

* *An asterisk indicates that the data are unclassified.*

[a] Raw titanium in the form of sponge metal produced by the Kroll method from rutile or ilmenite concentrates.

[b] Based on reports from various trade publications.

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Table 107

Production of Synthetic Rubber

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [a]	1,890*	2,780*	3,010*	2,990*	3,370*	3,710*	3,760*
United States	1,459*	1,842*	2,002*	1,943*	2,165*	2,286*	2,231*
Communist Countries							
USSR and Eastern Europe	455	765	831	925	958	1,050	1,150
USSR	347	570	627	690	725	790	861
Eastern Europe	108	195*	204*	235*	233*	258*	287*
Bulgaria	0*	0*	0*	0*	0*	0*	1*
Czechoslovakia	1	30*	30*	34*	36*	41*	43*
East Germany [b]	87*	95*	101*	110*	102*	114*	120*
Poland	20*	39*	38*	40*	41*	48*	62*
Romania	0*	31*	35*	51*	54*	55*	61*

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Belgium	0*	20*	40*	Italy	67*	120*	160*	United Kingdom	92*	175*	305*
Canada	162*	206*	205*	Netherlands	12*	100*	206*	West Germany	81*	164*	302*
France	17*	148*	316*								

Other Free World Countries

	1960	1965	1970
Japan	23*	161*	697*

* *An asterisk indicates that the data are unclassified.*

[a] Including only data for the United States and those countries listed under "Other NATO Countries."

[b] Including Pervinan and Plastikator.

Table 108

Production of Rubber Tires [a] in the United States and Selected Communist Countries

Thousand Units

	1960	1965	1966	1967	1968	1969	1970
United States	123,059*	172,532*	183,229*	138,[illegible]*	208,682*	212,060*	193,971*
Communist Countries							
USSR and Eastern Europe	23,400*	36,900*	39,200*	41,900*	45,000*	47,100*	49,800*
USSR	17,[illegible]55*	26,434*	27,056*	29,635*	31,773*	32,641*	34,600*
Eastern Europe	6,130*	10,500*	11,500*	12,200*	13,200*	14,500*	15,200*
Bulgaria	196*	349*	397*	378*	348*	333*	555*
Czechoslovakia [b]	1,324*	1,792*	1,994*	2,195*	2,396*	2,505*	2,600*
East Germany [c]	2,714*	3,750*	3,930*	4,204*	4,340*	4,365*	4,400*
Hungary [d]	336*	581*	644*	698*	591*	598*	667*
Poland	1,223* [e]	2,818*	3,031*	3,092*	3,721*	4,540*	4,550*
Romania [f]	337*	1,222*	1,540*	1,660*	1,829*	2,147*	2,457*
Other:							
Cuba	343*	197*	306*	414*	147*	N.A.	216*
Yugoslavia [g]	391*	955*	1,613*	1,578*	1,780*	2,293*	2,762*

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for all motor vehicle tires, excluding aircraft and bicycle tires.

[b] Excluding motorcycle and bus tires and, beginning in 1966, tractor tires.

[c] Including solid rubber tires.

[d] Excluding motorcycle tires.

[e] Excluding metorcycle, tractor, and agricultural tires.

[f] Including aircraft tires.

[g] Automobile, motorcycle, and aircraft tires only.

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200005-5

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Approved For Release 2002/01/14 : CIA-RDP75-00875R001500200005-5

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Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200005-5
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Table 109

Production of Natural Rubber in Selected Countries

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969	1970
Cambodia	37.1	48.9	51.3	53.7	51.3	51.8	15.0
Ceylon	98.8	118.3	131.0	143.2	148.7	150.8	159.2
India	25.2	49.4	53.2	62.5	68.8	80.0	90.0
Indonesia [a]	620.3	716.6	715.7	762.0	752.0	790.4	795.0
Malaysia [b]	785.4	949.2	998.3	998.1	1,100.3	1,279.2	1,275.0
South Vietnam	76.6	61.0	48.8	42.5	34.0	27.6	29.5
Thailand [a]	170.8	216.4	207.1	214.2	258.8	281.8	287.2

[a] Exports plus estimated consumption.
[b] Including data for Malaya and Singapore, Sarawak, and Sabah.

Table 110

Production of Plastics in the US and the USSR

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969	1970
United States [a]	2,851	5,300	6,162	6,256	7,421	8,405	8,890
USSR	312	803	971	1,114	1,292	1,453	1,672

[a] Dry basis, excluding water, solvents, and other liquid diluents.

Table 111

Production of Mineral Fertilizer in the US and the USSR
(In Terms of Soviet Statistical Reporting Units [a])

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969	1970
United States [b]	32,320	53,797	58,929	64,828	65,524	67,782	70,966
USSR	13,867	31,253	35,866	40,083	43,469	45,941	55,400

[a] Soviet production of fertilizer is usually reported as follows: nitrogen fertilizer on the basis of fertilizer containing 20.5% nitrogen, potassium fertilizer on the basis of 41.6% potassium oxide, and most types of phosphorous fertilizer on the basis of 18.7% phosphoric anhydride. In addition, total production includes an insignificant quantity of microfertilizer.

[b] Data are based on US production given in pure nutrients and recomputed to conform to the Soviet method for expressing production. Data for the United States are "fertilizer years" beginning 1 July of the stated year.

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Table 112

Production of Mineral Fertilizer, Nutrient Content [a]

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [b]	18,700*	28,500*	30,500*	32,800*	34,300*	N.A.*	N.A.*
United States	7,410*	11,933*	13,054*	14,055*	14,249*	14,460*	15,073*
Communist Countries							
USSR and Eastern Europe	6,510*	12,000*	13,500*	15,100*	16,600*	17,800*	20,800*
USSR	3,281*	7,389*	8,438*	9,406*	10,221*	10,800*	13,100*
Eastern Europe	3,230*	4,630*	5,050*	5,660*	6,390*	7,040*	7,650*
Bulgaria	126*	354*	394*	443*	640*	681*	749*
Czechoslovakia	287*	477*	512*	519*	525*	589*	646*
East Germany	2,166*	2,506*	2,604*	2,847*	2,990*	3,105*	3,215*
Hungary	102*	265*	298*	338*	401*	470*	517*
Poland	477*	738*	826*	974*	1,233*	1,472*	1,631*
Romania	71*	293*	419*	537*	603*	720*	895*
Far East							
Communist China	494	880	1,075	780	940	1,135	1,370
North Korea	127	158	158	176	239	278	320
Other							
Albania	0	0	2	*N.A.*	*N.A.*	*N.A.*	*N.A*
Yugoslavia	45*	226*	279*	305*	309*	327*	430*

Other NATO Countries

	1960	1965	1968		1960	1965	1968		1960	1965	1968
Belgium	567*	725*	971*	Iceland	7*	8*	8*	Portugal	120*	194*	216*
Canada	496*	2,545*	4,200*	Italy	1,110*	1,590*	1,827*	Turkey	7*	70*	81*
Denmark	79*	124*	149*	Luxembourg	128*	130*	140*	United Kingdom	841*	1,086*	1,348*
France	3,021*	4,161*	4,467*	Netherlands	658*	765*	1,228*	West Germany	3,897*	4,610*	4,690*
Greece	55*	126*	261*	Norway	326*	426*	461*				

* *An asterisk indicates that the data are unclassified.*

[a] Nitrogen fertilizer (in terms of nitrogen), phosphorous fertilizer (in terms of phosphoric anhydride), and potassium fertilizer (in terms of potassium oxide).

[b] Data are "fertilizer years"—in general, the year beginning 1 July of the stated year.

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Table 113

Production of Sulfuric Acid [a]

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [b]	31,100*	41,000*	44,900*	45,900* [c]	47,500*	48,700*	49,100* [d]
United States [e]	16,223*	22,544*	25,750*	26,141*	25,906*	26,795*	26,441*
Communist Countries							
USSR and Eastern Europe	7,890*	12,800*	13,800*	14,400*	15,200*	16,100*	18,200*
USSR	5,398*	8,518*	9,367*	9,737*	10,159*	10,665*	12,058*
Eastern Europe	2,500*	4,230*	4,480*	4,700*	5,080*	5,470*	6,100*
Bulgaria	123*	318*	353*	360*	472*	498*	503*
Czechoslovakia	553*	933*	982*	1,012*	977*	1,034*	1,110*
East Germany	730*	985*	973*	988*	1,078*	1,104*	1,100*
Hungary [f]	178*	393*	417*	450*	468*	477*	480*
Poland	685*	1,062*	1,139*	1,213*	1,314*	1,516*	1,917*
Romania	226*	541*	619*	679*	773*	838*	994*
Far East							
Communist China	1,350*	2,200	2,300	*N.A.*	*N.A.*	*N.A.*	*N.A.*
Other							
Cuba	44*	202*	230*	270*	313*	*N.A.*	*N.A.*
Yugoslavia	130*	435*	542*	592*	589*	696*	747*

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Belgium	1,423*	1,488*	1,790*	Greece	148*	151*	665* [g]	Portugal	329*	413*	390*
Canada	1,517*	1,964*	2,352*	Italy	2,299*	2,979*	3,400*	Turkey	23*	20*	30* [g]
Denmark	199*	239*	*N.A.**	Netherlands	860*	1,090*	1,564*	United Kingdom	2,745*	3,358*	3,348*
France	2,046*	2,916*	4,418*	Norway	100*	119*	290*	West Germany	3,170*	3,751* [h]	4,439* [h]

Other Free World Countries

	1960	1965	1970
Japan	4,45.*	5,655*	6,928*

* *An asterisk indicates that the data are unclassified.*
[a] Pure (monohydrate) sulfuric acid (100% H_2SO_4).
[b] Including only data for the United States and those countries listed under "Other NATO Countries."
[c] Excluding data for Greece.
[d] Excluding data for Denmark.
[e] Including appreciable amounts produced in government-owned privately operated plants.
[f] Including oleum.
[g] Data are for the previous year.
[h] Including data for West Berlin, for which separate data are not available.

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200005-5

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200005-5

Table 114

Production of Synthetic Ammonia [a]

Thousand Metric Tons of Nitrogen

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [b]	7,320* [c]	12,600*	14,400*	16,100*	16,900*	17,500*	N.A.*
United States [d]	3,595*	6,500*	7,926*	8,857*	9,023*	9,486*	9,773*
Communist Countries							
USSR and Eastern Europe	2,180	4,960	5,820	6,860	7,680	8,460	9,910
USSR	1,169	3,127	3,653	4,311	4,686	4,944	5,982
Eastern Europe	1,010	1,830	2,160	2,550	3,000	3,510	3,930
Bulgaria	111*	338*	390*	470*	666*	712*	788*
Czechoslovakia	130	226	258	253	270	307	332
East Germany	393*	439*	449*	453*	460*	488*	495*
Hungary	67*	173*	214*	237*	285*	341*	375*
Poland	284*	440*	518*	666*	792*	1,043*	1,150*
Romania	29*	218*	336*	472*	522*	620*	792*
Far East							
Communist China	378	N.A.	905	N.A.	N.A.	N.A.	N.A.
North Korea	111	120	120	140	195	240	280
Other							
Yugoslavia	12*	114*	123*	123*	174*	310*	476*

Other NATO Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Belgium	319*	398*	594*	Italy	724*	1,035*	1,270*	Portugal	39*	138*	172*
Canada	N.A.*	551*	835*	Netherlands	410*	661*	1,160*	Turkey	0*	36*	36*
France	724*	1,281*	1,528*	Norway	263*	340*	461*	West Germany	1,242*	1,659*	1,940*

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, nitrogen content of synthetic ammonia.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Excluding data for Canada.

[d] Synthetic anhydrous (commercial grade). To convert to actual production of synthetic ammonia, multiply by 1.2158.

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Table 115

Production of Caustic Soda [a]

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [b]	6,780*	9,500*	10,600* [c]	11,200* [c]	12,300* [c]	13,300* [c]	N.A.*
United States	4,510*	6,164*	6,908*	7,187*	8,043*	8,725*	9,144*
Communist Countries							
USSR and Eastern Europe	1,420*	2,250*	2,420*	2,590*	2,770*	2,950*	3,120*
USSR	704*	1,199*	1,282*	1,402*	1,525*	1,668*	1,783*
Eastern Europe	717*	1,050*	1,140*	1,190*	1,250*	1,300*	1,340*
Bulgaria	17*	32*	37*	40*	41*	49*	46*
Czechoslovakia	115*	158*	176*	178*	179*	179*	180*
East Germany	327*	364*	381*	389*	405*	394*	400*
Hungary [d]	17*	50*	52*	56*	52*	56*	69*
Poland	167*	215*	237*	265*	295*	311*	312*
Romania	74*	233*	252*	260*	275*	297*	330*
Other							
Cuba	2	2	2	2	*N.A.*	*N.A.*	*N.A.*
Yugoslavia	48*	88*	91*	87*	87*	84*	93*

Other NATO Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Belgium	50*	70*	172*	Greece	1*	2*	*N.A.**	Portugal	24*	35*	33*
Canada	338*	583*	856*	Italy	429*	725*	830*	Turkey	2*	2*	3*
Denmark	4*	6*	10* [e]	Norway	46*	68*	78*	West Germany	776*	1,178*	1,542*
France	597*	663*	1,042*								

* *An asterisk indicates that the data are unclassified.*

[a] Pure caustic soda (100% NaOH), including tonnage not commercialized but used on the spot for processing.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Excluding data for Greece and Portugal.

[d] Including regenerated caustic soda.

[e] Data are for the previous year.

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NOTE

Production of passenger automobiles, radio receivers, and television receivers are included in tab Transportation and Communications.

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Table 116

Production of Footwear [a] in the US and the USSR

Million Pairs

	1960	1965	1966	1967	1968	1969	1970
United States	600.0*	629.1*	641.7*	600.0*	642.4*	577.0*	559.2*
USSR	419.3*	486.0*	522.2*	561.3*	597.6*	635.8*	676.0*

* *An asterisk indicates that the data are unclassified.*

[a] Shoes and slippers.

Table 117

Production of Woven Cotton Fabrics [a] in Selected Free World and Communist Countries

	Unit of Measure	1960	1965	1966	1967	1968	1969	1970
Free World Countries								
United States	Million linear meters	8,564*	8,469*	8,107*	7,555*	6,774*	6,546*	5,909*
Canada [b c d]	Million linear meters	240*	306*	247*	252*	250*	250*	220*
India [e]	Million linear meters	6,629*	7,643*	7,336*	7,277*	7,896*	7,571*	7,665*
Japan [b]	Million square meters	3,221*	3,013*	2,913*	2,825*	2,744*	2,779*	2,616*
Pakistan [e f]	Million linear meters	575*	658*	644*	705*	696*	724*	*N.A.**
Turkey [e]	Million linear meters	384*	781*	640*	694*	696*	672*	715*
United Kingdom [e]	Million linear meters	1,183*	928*	837*	681*	668*	661*	581*
Communist Countries								
USSR [b e]	Million linear meters	6,387*	7,077*	7,238*	7,414*	7,562*	7,606*	7,530*
Bulgaria [b]	Million linear meters	218*	291*	299*	397*	319*	335*	318*
Czechoslovakia	Million linear meters	464*	500*	518*	515*	502*	498*	532*
East Germany	Million square meters	254*	244*	244*	247*	250*	237*	*N.A.*
Hungary [b]	Million square meters	225*	305*	317*	313*	290*	269*	258*
Poland [b]	Million linear meters	667*	811*	845*	824*	835*	846*	880*
Romania [b]	Million square meters	248*	319*	339*	357*	377*	410*	437*
Communist China	Million linear meters	5,800	5,400	6,000	4,800	4,800	6,500	7,500
Yugoslavia	Million square meters	257*	394*	416*	378*	401*	415*	388*

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for fabrics, in the piece, before undergoing finishing processes such as bleaching, dyeing, and making up.

[b] Fabrics after undergoing finishing processes.

[c] Excluding mixed fabrics.

[d] Shipments.

[e] Mill and decentralized sector production.

[f] Mill production only. Data include finished fabrics.

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200005-5

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Table 118

Production of Woven Woolen Fabrics [a] in Selected Free World and Communist Countries

	Unit of Measure	1960	1965	1966	1967	1968	1969	1970
Free World Countries								
United States	Million linear meters	262	244	242	218	222	203	163
Australia [b]	Million square meters	25	20	20	18	20	20	18
Canada [c] [d]	Million linear meters	14	15	14	12	13	15	12
India [e]	Million linear meters	8	10	9	9	12	13	13
Japan [f]	Million square meters	316	341	345	377	386	434	426
Netherlands	Million square meters	68	67	69	58	65	63	*N.A.*
Turkey [g]	Million linear meters	10	24	26	27	29	26	24
United Kingdom [c]	Million square meters	307	270	253	246	246	239	215
Communist Countries								
USSR [c] [g]	Million linear meters	342	365	398	427	455	478	499
Bulgaria [c]	Million linear meters	19	20	22	22	23	26	26
Czechoslovakia	Million linear meters	46	44	45	46	45	49	51
East Germany	Million square meters	48	38	39	38	35	35	*N.A.*
Hungary [c]	Million square meters	27	29	31	32	29	23	24
Poland [c]	Million linear meters	79	91	91	90	94	99	99
Romania [c]	Million square meters	32	41	44	50	52	55	63
Yugoslavia	Million square meters	46	54	57	37	37	38	57

[a] Unless otherwise indicated, data are for woven woolen and worsted fabrics (in the piece, before undergoing finishing processes such as bleaching, dyeing, and making up) and for mixed woolen fabrics.

Twelve months ending 30 June of the stated year.

[c] Fabrics after undergoing finishing processes.

[d] Factory shipments.

[e] Wearable fabrics produced in the mill sector only.

[f] Including finished fabrics.

[g] Excluding mixed fabrics.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED
CLASSIFIED MATERIAL ON THE REVERSE

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Table 119

Production of Woven Rayon and Acetate Fabrics [a] in Selected Free World and Communist Countries

	Unit of Measure	1960	1965	1966	1967	1968	1969	1970
Free World Countries								
United States	Million linear meters	1,312	1,650	1,551	1,534	1,671	1,540	1,228
Canada	Million linear meters	70	137	136	138	158	*N.A.*	*N.A.*
India [b]	Million linear meters	550	870	853	882	993	894	901
Japan [c]	Million square meters	1,828	1,653	1,661	1,654	1,619	1,650	1,531
United Kingdom [b]	Million linear meters	564	572	564	484	507	538	448
Communist Countries								
USSR [b d]	Million linear meters	755	900	970	1,036	1,033	1,086	1,190
Bulgaria [b d e]	Million linear meters	11	15	17	19	19	20	21
Czechoslovakia	Million linear meters	58	59	62	63	65	62	*N.A.*
East Germany	Million square meters	57	55	59	62	65	64	*N.A.*
Hungary [d]	Million square meters	25	32	33	34	37	44	46
Poland [d]	Million linear meters	103	103	104	114	118	119	118
Romania [d]	Million square meters	22	26	27	28	31	35	36
Yugoslavia	Million square meters	19	24	30	27	31	30	29

[a] Unless otherwise indicated, data are for pure and mixed fabrics, in the piece, before undergoing finishing processes such as bleaching, dyeing, and making up.
[b] Including fabrics of noncellulosic fibers.
[c] Including finished fabrics.
[d] Fabrics after undergoing finishing processes.
[e] Including fabrics of natural silk.

Table 120

Production of Synthetic Fibers [a] in Selected Free World and Communist Countries

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969	1970
Free World Countries							
United States	307.2	806.0	938.4	1,059.9	1,457.2	1,600.2	1,626.2
Canada	17.0	37.5	45.0	51.4	68.8	75.8	*N.A.*
France	45.3	87.1	109.3	109.6	132.4	156.3	175.2
Italy	33.7	110.7	143.8	153.0	195.3	237.0	241.7
Japan	118.3	379.6	460.5	577.8	685.4	806.3	1,015.8
United Kingdom	61.0 [b]	148.0 [b]	174.8 [b]	194.1	268.4	291.4	333.1
West Germany [c]	52.3	179.3	213.4	252.2	361.4	452.6	491.4
Communist Countries							
USSR	15.0	77.5	96.3	115.8	129.7	142.5	168.0
Czechoslovakia	3.0	9.6	11.0	14.7	16.1	23.7	20.6
East Germany	7.8	18.9	20.8	23.3	26.0	30.5	*N.A.*
Hungary	*Negl.*	2.3	3.6	4.1	4.5	5.1	5.6
Poland	7.8	23.2	28.9	36.1	43.1	49.0	55.7
Romania	0.2	3.3	5.5	8.0	9.6	17.4	29.5

[a] Data are for noncellulosic fibers either made of natural polymers, which are based on materials such as casein or groundnuts, or made of synthetic polymers, which are based mostly on coal or petroleum. Data exclude waste, glass fibers, and rubber fibers.
[b] "Delivery weight," approximately 3% less than "actual weight."
[c] Beginning in 1965, including data for West Berlin, for which separate data are not available.

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Table 121

Production of Metalcutting Machine Tools[a] in the United States and Selected Communist Countries

Thousand Units

	1960	1965	1966	1967	1968	1969	1970
United States	42.91*	68.01*	80.67*	86.01*	70.52*	65.20*	49.59*
COMMUNIST COUNTRIES							
USSR and Eastern Europe	**246***	**286***	**302***	**308***	**316***	**321***	**N.A.**
USSR	155.92*	186.13*	192.18*	197.02*	200.82*	205.35*	201.00*
Eastern Europe	**89.8***	**99.8***	**110***	**111***	**115***	**115***	**N.A.**
Bulgaria	3.15*	8.06*	9.24*	10.50*	11.16*	12.79*	13.43*
Czechoslovakia	30.23*	24.33*	27.60*	29.85*	34.06*	34.87*	*N.A.*
East Germany[b]	22.07*	19.71*	21.33*	18.49*	18.07*	15.83*	*N.A.*
Hungary	7.40*	9.40*	10.30*	10.10*	11.25*	8.45*	9.43*
Poland	22.50*	31.10*	32.60*	32.30*	29.00*	29.90*	30.30*
Romania	4.44*	7.16*	8.52*	9.69*	11.69*	13.58*	14.14*
Far East							
North Korea	2.9*	4.0	4.0	5.0	6.7	7.2	10.4
North Vietnam	0.65*	0.50*	*N.A.*	*N.A.*	*N.A.*	*N.A.*	*N.A.*

* *An asterisk indicates that the data are unclassified.*

[a] Power-driven metalcutting machines that are not portable by hand and are used to remove metal in the form of chips; these machines include lathes and planers, and milling, honing, lapping, grinding, electroerosion, and ultrasonic cutting machines.

[b] Data differ from those presented in the previous *Handbook*, which included metalsawing machines.

Table 122

Production of Metalforming Machine Tools[a] in the US and the USSR

Thousand Units

	1960	1965	1966	1967	1968	1969	1970
United States[b]	31.3*	44.0*	53.6*	54.6*	70.5*[c]	72.5*[c]	58.3*[c]
USSR	29.9*	34.6*	38.4*	41.1*	42.1*	42.7*	41.0*

* *An asterisk indicates that the data are unclassified.*

[a] Power-driven metalforming machine tools that are not supported in the hands of an operator when in use and are designed to press, forge, emboss, hammer, extrude, blank, spin, shear, and bend metal into shape.

[b] Unless otherwise indicated, data exclude manually operated bending and forming machines, spinning lathes, and riveting, canmaking, die-casting, wire-weaving, wiredrawing, knurling, and marking machines, which usually are included in the definition of metalforming machine tools by the US Department of Commerce.

[c] Including manually operated bending and forming machines for which separate data are not available.

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Table 123

Production of Metallurgical Equipment[a] in Selected Communist Countries

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969	1970
COMMUNIST COUNTRIES							
USSR	218.3	242.3	252.2	289.9	322.5	319.0	314.0
Czechoslovakia[b]	105.1	85.5	89.6	79.2	92.4	65.4	*N.A.*
East Germany[c]	15.9	19.8	25.7	22.8	15.6	8.9	*N.A.*
Poland	21.7	40.1	38.3	44.0	43.2	43.6	49.4
Romania	27.2	40.6	48.4	51.4	58.5	66.3	*N.A.*

[a] Unless otherwise indicated, data are for rolling mill equipment; mechanical equipment for coke, blast, and smelting furnaces; mixers; crushers; grinding mills for ore and coal; agglomeration installations; and special hoist-transport mechanisms for metallurgical shops. Equipment for nonferrous shops is believed to be included but probably amounts to only a small percentage of the total physical volume. Data for the United States are not available in terms of metric tons.

[b] Beginning in 1965, data include fewer components and spare parts.

[c] Rolling mill equipment only.

Table 124

Production of Electric Motors[a] in Selected Communist Countries

Thousand Kilowatts

	1960	1965	1966	1967	1968	1969	1970
COMMUNIST COUNTRIES							
USSR[b]	17,597	26,890	28,174	29,772	30,794	31,235	36,300
Bulgaria	919	2,864	3,154	3,461	3,663	3,920	4,194
Czechoslovakia	2,952	4,176	3,971	4,438	3,812	3,780	*N.A.*
Poland	2,387	4,533	4,512	4,940	5,649	6,684	7,558
Romania	559	1,255	1,507	1,679	1,989	2,412	2,830

[a] Unless otherwise indicated, data are for alternating and direct current motors.

[b] Alternating current motors of 0.25 kilowatt and over.

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Table 125

Production of Electric Generators [a] in the United States and Selected Communist Countries

Thousand Kilowatts

	1960	1965	1966	1967	1968	1969	1970
United States [b]	12,899	15,451	18,633	23,267	27,432	26,779	27,565
COMMUNIST COUNTRIES							
USSR	7,915	14,390	13,447	14,575	14,529	12,677	10,578
Bulgaria	29	13	10	85	54	*N.A.*	*N.A.*
Czechoslovakia [c]	1,391	888	2,064	1,709	882	1,260	*N.A.*
Hungary [c]	347	416	295	296	103	192	*N.A.*
Romania	83	295	310	416	421	376	*N.A.*

[a] Turbogenerators and hydrogenerators. Production of diesel generators is believed to be negligible in most instances.
[b] Shipments of units of 4,000 kilowatts and larger.
[c] Generators for steam and gas tubines only.

Table 126

Production of Turbines [a] in the United States and Selected Communist Countries

Thousand Kilowatts

	1960	1965	1966	1967	1968	1969	1970
United States [b]	12,899	15,451	18,633	23,267	27,432	26,779	27,565
COMMUNIST COUNTRIES							
USSR [c]	9,200	14,625	15,172	14,684	15,746	15,004	16,191
Czechoslovakia	1,555	1,994	1,363	1,290	1,198	1,017	*N.A.*
Poland [d]	186	471	647	830	1,100	1,158	1,135
Romania [e]	98	27	44	95	85	72	*N.A.*

[a] Unless otherwise indicated, data are for steam and hydraulic turbines. Most production of turbines is for use in matched sets with generators for production of electric power. In addition, turbines are produced in single units for many purposes, including direct industrial drives, marine propulsion, and pipeline transmission.
[b] Shipments of units of 4,000 kilowatts and larger. Data are available only for turbines produced as integral units together with generators. Therefore, data for turbines and generators for the United States are assumed to be the same. Some turbines are produced in single units but no data are available on this production.
[c] Including a small number of gas turbines.
[d] Steam turbines only.
[e] Steam turbines of more than 500 kilowatts only.

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Table 127

Production of Digital Computers [a]

Units

	1960	1965	1966	1967	1968	1969	1970
Free World Countries							
United States	1,200*	7,000*	14,000*	13,000*	15,000*	16,000*	18,000*
France	*N.A.**	200*	300*	500*	500*	600*	700*
Japan	30*	320*	400*	700*	600*	800*	1,000*
United Kingdom	70*	200*	250*	300*	350*	400*	500*
Communist Countries							
USSR	280	470	510	550	670	740	800
Czechoslovakia	0	0	3	8	15	30	40
East Germany	15	0	5	15	25	50	100
Poland	15	20	20	25	30	50	60
Communist China	5	35	50	35	20	40	40

* *An asterisk indicates that the data are unclassified.*

[a] Estimates of this Office based on fragmentary market surveys and installations reports. No attempt has been made to standardize these units in terms of either value or computational capability. Total production of digital computers through 1970, including years not mentioned above, is as follows (in units): the United States, 110,000; France, 3,100; Japan, 4,500; the United Kingdom, 3,400; the USSR, 5,800; Czechoslovakia, 100; East Germany, 250; Poland, 260; and Communist China, 300.

Table 128

Total Housing Construction [a] in the United States and Selected Communist Countries

Thousand Square Meters

	1960	1965	1966	1967	1968	1969	1970
United States [b]	144,000*	158,000*	126,000*	138,000*	158,000*	158,000*	148,000*
Communist Countries							
USSR	109,600*	97,600*	102,100*	104,500*	102,100*	103,800*	105,000*
Bulgaria	2,799*	2,744*	2,647*	2,622*	2,647*	2,892*	3,039*
Czechoslovakia	4,994*	5,087*	5,269*	5,484*	5,993*	6,586*	8,280*
East Germany [c]	4,089*	3,465*	3,317*	3,876*	3,861*	3,571*	4,049*
Hungary	3,335*	3,303*	3,430*	3,894*	4,127*	3,862*	4,981*
Poland	8,071*	8,354*	8,800*	9,471*	9,768*	10,382*	9,760*
Romania	4,164* [e]	5,881*	5,832*	6,190*	5,823*	6,491*	7,142*
Albania [d]	201*	156* [e]	181* [e]	178* [e]	*N.A.*	*N.A.*	*N.A.*
Yugoslavia	3,664*	6,417*	6,984*	7,031*	7,334*	6,890*	*N.A.*

* *An asterisk indicates that the data are unclassified.*

[a] Total housing space, which includes living rooms, bedrooms, dining area, and auxiliary space such as bathrooms, kitchens, closets, and inside hallways.

[b] Data are computed from the number of housing starts during the given years. Strictly speaking, therefore, the data on completions are more accurate for interyear comparisons than for any given year. Housing starts were converted to total floorspace by converting to square meters on the basis of varying sizes of structures.

[c] Living space only.

[d] Socialist sector only.

[e] Estimated.

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Table 129

Production of Cement [a]

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries	144,000*	188,000*	195,000*	196,000*	207,000*	215,000*	222,000*
United States	56,063*	65,078*	67,146*	64,449*	68,791*	69,575*	67,709*
Communist Countries							
USSR and Eastern Europe	68,400*	104,000*	114,000*	122,000*	126,000*	130,000*	N.A.
USSR	45,520*	72,388*	80,013*	84,809*	87,512*	89,740*	95,200*
Eastern Europe	22,900*	31,800*	34,000*	37,100*	39,000*	39,800*	N.A.
Bulgaria	1,586*	2,681*	2,851*	3,358*	3,512*	3,551*	3,668*
Czechoslovakia	5,051*	5,713*	6,130*	6,460*	6,493*	6,733*	7,400*
East Germany	5,032*	6,087*	6,450*	7,182*	7,551*	7,410*	*N.A.*
Hungary	1,571*	2,383*	2,601*	2,656*	2,801*	2,564*	2,771*
Poland	6,599*	9,573*	10,040*	11,138*	11,593*	11,830*	12,180*
Romania	3,054*	5,406*	5,886*	6,339*	7,026*	7,688*	8,311*
Far East							
Communist China	9,000	10,900	12,000	10,200	10,500	12,000	13,000
North Korea	2,285*	2,400*	2,800	2,900	3,000	3,200	4,000
North Vietnam	408*	660*	665*	200	120	250	330
Other							
Albania	73*	134*	139*	221*	305*	324*	340*
Cuba	813*	801*	750*	835*	780*	675*	700*
Yugoslavia	2,398*	3,102*	3,232*	3,313*	3,765*	3,964*	4,399*

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Belgium [b]	4,388*	5,905*	6,732*	Iceland	73*	114*	93* [c]	Portugal	1,202*	1,680*	2,328*
Canada	5,338*	7,665*	7,272*	Italy	16,014*	20,695*	33,084*	Turkey	2,038*	3,238*	6,624*
Denmark	1,442*	2,000*	2,280*	Luxembourg	210*	222*	190* [c]	United Kingdom	13,501*	16,972*	17,052*
France	14,349*	22,423*	29,004*	Netherlands	1,798*	2,973*	3,828*	West Germany	24,905*	34,133* [d]	37,944* [d]
Greece	1,649*	3,193*	4,944*	Norway	1,151*	1,602*	2,640*				

Other Free World Countries

	1960	1965	1970		1960	1965	1970
India	7,845*	10,578*	13,836*	Japan	22,537*	32,689*	57,189*

* *An asterisk indicates that the data are unclassified.*

[a] All types of hydraulic cements used in construction.

[b] Excluding natural cement.

[c] Data are for the previous year.

[d] Including data for West Berlin, for which separate data are not available.

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SECRET

SELECTED AGRICULTURAL INPUTS AND OUTPUT IN THE US AND THE USSR

Figure 21

INVESTMENT

	1960	1965	1966	1967	1968	1969	1970†
UNITED STATES							
Billion 1955 US $	2.8	4.0	4.3	4.7	4.2	4.0	3.6
Structures	0.6	0.5	0.5	0.5	0.5	0.5	0.5
Producers' durable equipment	2.2	3.5	3.8	4.2	3.7	3.5	3.1
USSR Billion rubles 1955 prices ‡‡	4.9	8.6	9.4	10.0	11.2	11.7	13.1
Structures	3.0	5.1	5.7	6.0	6.9	7.3	8.1
Producers' durable equipment	1.9	3.5	3.7	4.0	4.3	4.4	5.0

† Preliminary.
†† Because of the problems inherent in converting rubles to dollars, the investment data for the USSR have not been converted. Inasmuch as the purpose of the data is to show general magnitude and growth, a precise conversion is not required.

INDEXES OF AGRICULTURAL OUTPUT
1960=100

	1960	1965	1966	1967	1968	1969	1970
UNITED STATES	100	108	107	111	113	116	114
USSR	100	119	129	128	134	129	141

MINERAL FERTILIZER (nutrient content)

Thousand metric tons

	1960	1965	1966	1967	1968	1969	1970
UNITED STATES	7,410	11,933	13,054	14,055	14,249	14,460	15,076
USSR	4,241	7,389	8,138	9,406	10,221	10,800	13,100

PRODUCTION OF GRAIN

Million metric tons

	1960	1965	1966	1967	1968	1969	1970
UNITED STATES	181	183	183	206	201	203	186
USSR	93	100	140	122	135	128	150

OUTPUT

TRACTORS IN USE (end of year)

Thousand units

	1960	1965	1966	1967	1968	1969	1970‡
UNITED STATES excludes farm and garden	4,695	4,800	4,815	4,820	4,810	4,790	4,770
USSR	1,122	1,613	1,660	1,739	1,834	1,980	2,000

‡ Estimated.

FARM LABOR FORCE

Million persons

	1960	1965	1966	1967	1968	1969	1970
UNITED STATES	7.1	5.6	5.2	4.9	4.7	4.6	4.5
USSR	45.6	42.3	41.6	40.7	39.7	38.5	37.5

INPUTS

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Table 130

Production of Grain [a]

Million Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [b]	290*	310*	315*	342*	341*	346*	319*
United States [c]	181*	183*	183*	206*	201*	203*	186*
Communist Countries							
USSR and Eastern Europe	141*	153*	196*	180*	194*	190*	205
USSR [d]	93.0*	100*	140*	122*	135*	128*	150*
Eastern Europe	48.3*	53.1*	55.6*	57.8*	59.4*	61.8*	54.8
Bulgaria [e]	4.80*	5.19*	6.70*	6.42*	5.22*	6.00*	6.77*
Czechoslovakia	5.74*	5.24*	5.87*	6.53*	7.36*	7.90*	7.26*
East Germany [f]	6.38*	6.73*	5.92*	7.35*	7.83*	6.92*	6.50
Hungary [e]	6.82*	7.37*	7.46*	7.77*	8.33*	9.56*	7.52*
Poland [f g]	14.8*	16.0*	15.8*	16.3*	18.0*	18.6*	16.3*
Romania [e]	9.77*	12.6*	13.8*	13.4*	12.7*	12.8*	10.4
Far East							
Communist China [h]	160–165	190–195	195–200	210–215	195–200	200–205	215–220
North Korea [i]	3.80	4.50	4.00	4.70	5.20	*N.A.*	*N.A.*
North Vietnam [j]	4.43*	4.79*	*N.A.*	*N.A.*	*N.A.*	*N.A.*	*N.A.*
Other							
Albania [e f]	0.22*	0.34*	0.41*	0.49*	0.51*	0.55*	*N.A.*
Cuba [k]	0.41*	0.07*	0.09*	0.11*	0.12*	0.24*	0.39*
Yugoslavia [e]	10.9*	10.6*	13.9*	13.2*	12.1*	13.6*	11.6*

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Belgium	1.79*	1.78*	1.57*	Italy	12.0*	14.5*	16.2*	Portugal	1.36*	1.59*	1.58*
Canada	25.4*	30.7*	26.9*	Luxembourg	0.12*	0.11*	0.13*	Turkey	12.2*	12.6*	13.8*
Denmark	4.25*	5.73*	6.09*	Netherlands	1.73*	1.68*	1.43*	United Kingdom	9.47*	13.6*	13.5*
France	22.8*	28.6*	30.8*	Norway	0.60*	0.61*	0.80*	West Germany	14.2*	12.7*	16.1*
Greece	2.44*	3.01*	3.47*								

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for barley, corn, oats, rice, rye, and wheat where they are produced.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Including sorghum for grain.

[d] Including miscellaneous grains and pulses.

[e] Excluding rice.

[f] Including miscellaneous grains.

[g] Excluding corn.

[h] Including kaoliang, broad peas, and field peas. Tubers are included on a grain equivalent basis of four metric tons of tubers to one metric ton of grain.

[i] Including soybeans and tubers on a straight weight basis.

[j] Corn and rice only.

[k] Data reflect only rice production and government collections of corn; total production is considerably higher.

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200005-5

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Table 131

Production of Breadgrain (Wheat and Rye)

Million Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [a]	95.2*	105*	105*	110*	114*	110*	97.2*
United States	37.8*	36.6*	36.4*	42.0*	43.5*	40.5*	38.5*
Communist Countries							
USSR and Eastern Europe	83.3*	91.8*	120*	105*	118*	102*	117
USSR	59.0*	62.0*	92.0*	74.0*	86.0*	71.0*	91.0*
Eastern Europe	24.3*	29.8*	28.4*	31.1*	32.3*	31.2*	26.4
Bulgaria	2.46*	2.97*	3.25*	3.29*	2.57*	2.60*	3.08*
Czechoslovakia	2.40*	2.81*	3.04*	3.20*	3.92*	3.94*	3.64*
East Germany	2.58*	3.71*	3.16*	4.00*	4.31*	3.53*	3.32
Hungary	2.12*	2.73*	2.57*	3.23*	3.59*	3.82*	2.89*
Poland	10.2*	11.5*	11.2*	11.5*	13.0*	12.9*	10.1*
Romania	3.55*	6.06*	5.16*	5.89*	4.90*	4.40*	3.39*
Other							
Albania	0.07*	0.13*	0.12*	0.16*	0.21*	0.28*	*N.A.*
Yugoslavia	3.80*	3.62*	4.78*	4.99*	4.50*	5.02*	3.92*

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Belgium	0.96*	0.95*	0.78*	Italy	6.90*	9.86*	9.70*	Portugal	0.63*	0.82*	0.66*
Canada	14.3*	18.1*	9.59*	Luxembourg	0.05*	0.06*	0.03*	Turkey	7.67*	8.13*	8.70*
Denmark	0.77*	0.83*	0.65*	Netherlands	1.05*	0.94*	0.82*	United Kingdom	3.07*	4.19*	4.19*
France	11.4*	15.1*	13.2*	Norway	0.03*	0.01*	0.02*	West Germany	8.74*	7.17*	8.33*
Greece	1.72*	2.01*	1.98*								

* *An asterisk indicates that the data are unclassified.*

[a] Including only data for the United States and those countries listed under "Other NATO Countries."

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200005-5

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200005-5

Table 132

Production of Coarse Grain (Barley, Corn, and Oats)

Million Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [a]	191*	201*	206*	226*	222*	231*	216*
United States [b]	141*	143*	143*	160*	153*	158*	144*
Communist Countries [c]							
USSR and Eastern Europe	58.0*	60.3*	74.2*	73.7*	75.2*	86.5*	86.3
USSR [d]	34.0*	37.0*	47.0*	47.0*	48.0*	56.0*	58.0*
Eastern Europe	24.0*	23.3*	27.2*	26.7*	27.2*	30.5*	28.3
Bulgaria [e]	2.34*	2.22*	3.45*	3.13*	2.65*	3.40*	3.69*
Czechoslovakia [e]	3.34*	2.42*	2.83*	3.33*	3.44*	3.96*	3.62*
East Germany	2.80*	3.02*	2.75*	3.35*	3.52*	3.39*	3.18
Hungary [e]	4.69*	4.64*	4.89*	4.54*	4.74*	5.74*	4.63*
Poland [f]	4.58*	4.50*	4.60*	4.80*	5.00*	5.70*	6.20*
Romania [e]	6.22*	6.54*	8.67*	7.55*	7.80*	8.35*	7.00
Far East							
North Vietnam [g]	0.21*	0.28*	*N.A.*	*N.A.*	*N.A.*	*N.A.*	*N.A.*
Other							
Albania	0.14*	0.21*	0.28*	0.33*	0.30*	0.27*	*N.A.*
Cuba [g] [h]	0.10*	0.02*	0.02*	0.01*	0.01*	0.03*	0.03*
Yugoslavia [e]	7.06*	6.94*	9.08*	8.17*	7.56*	8.58*	7.68*

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Belgium [f]	0.83*	0.82*	0.79*	Italy	4.48*	4.13*	5.60*	Portugal	0.58*	0.63*	0.71*
Canada	11.1*	12.6*	17.3*	Luxembourg [f]	0.06*	0.05*	0.10*	Turkey	4.34*	4.35*	4.93*
Denmark [f]	3.48*	4.90*	5.44*	Netherlands [f]	0.68*	0.74*	0.62*	United Kingdom [f]	6.40*	9.42*	9.29*
France	11.3*	13.3*	17.5*	Norway [f]	0.57*	0.60*	0.78*	West Germany	5.44*	5.51*	7.74*
Greece	0.66*	0.90*	1.42*								

* *An asterisk indicates that the data are unclassified.*

[a] Including only data for the United States and those countries listed under "Other NATO Countries."

[b] Including sorghum for grain.

[c] Unless otherwise indicated, data include miscellaneous grains.

[d] Including pulses.

[e] Excluding miscellaneous grains.

[f] Excluding corn.

[g] Corn only.

[h] Data reflect government collections only; total production is considerably higher.

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200005-5

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200005-5

Table 133

Production of Rice [a]

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [b]	3,540*	4,480*	5,020*	5,340*	5,940*	5,570*	5,290*
United States	2,476*	3,460*	3,856*	4,054*	4,777*	4,141*	3,826*
Communist Countries							
USSR and Eastern Europe	313*	684*	847*	1,060*	1,200*	1,280*	N.A.
USSR	187*	583*	712*	895*	1,063*	1,107*	1,280*
Eastern Europe	126*	101*	135*	168*	140*	176*	N.A.
Bulgaria	32*	34*	48*	57*	39*	58*	N.A.
Hungary	45*	21*	31*	43*	41*	50*	45*
Romania	49*	46*	56*	68*	60*	68*	N.A.
Far East							
North Korea	1,513	N.A.	N.A.	N.A.	2,000	N.A.	N.A.
North Vietnam	4,212*	4,512*	4,200	4,000	3,800	4,000	4,300
Other							
Albania	5*	10*	10*	11*	13*	N.A.	N.A.
Cuba	306*	50*	68*	94*	100*	206*	360*
Yugoslavia	22*	25*	23*	20*	18*	28*	N.A.

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
France	103*	98*	100*	Italy	622*	509*	890*	Turkey	138*	165*	192*
Greece	54*	105*	79*	Portugal	151*	139*	202*				

Other Free World Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Burma	7,575*	8,055*	8,330*	Japan [c]	16,074*	15,511*	16,150*	South Vietnam [e]	5,092*	5,185*	5,115*
India [c]	51,348*	46,029*	62,970*	Pakistan [c]	16,068*	17,742*	21,265* [d]	Thailand	7,788*	9,199*	13,500*
Indonesia	12,849*	13,700*	18,500*								

* *An asterisk indicates that the data are unclassified.*

[a] Rough, or paddy, rice. Unless otherwise indicated, crop production statistics for the Northern Hemisphere relate generally to the harvests of the spring, summer, and autumn of the year stated, but for the more southerly regions of this hemisphere they relate to harvests continuing into the early part of the following year. For the Southern Hemisphere these data relate to crops generally harvested in the latter part of the year stated and the first half of the following year.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Estimated from planted acreage.

[d] Data are for the previous year.

[e] Data are as of 31 May of the stated year.

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Table 134

Production of Potatoes [a]

Million Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [b]	77.4*	65.3*	66.6*	71.1*	67.7*	63.2*	66.3*
United States	11.68*	13.15*	13.92*	13.85*	13.34*	14.15*	14.74*
Communist Countries							
USSR and Eastern Europe	148*	152*	159*	169*	177*	155*	166
USSR	84.37*	88.68*	87.85*	95.46*	102.18*	91.78*	96.55*
Eastern Europe	63.9*	63.2*	70.7*	73.3*	74.9*	63.1*	69.8
Bulgaria	0.48*	0.28*	0.42*	0.38*	0.37*	0.36*	0.34
Czechoslovakia	5.09*	3.68*	5.85*	6.04*	6.53*	5.18*	4.73
East Germany	14.82*	12.86*	12.82*	14.07*	12.64*	8.83*	11.30
Hungary	2.66*	1.48*	2.43*	1.51*	1.34*	1.59*	1.43*
Poland	37.86*	42.66*	45.80*	48.21*	50.28*	44.94*	50.17*
Romania	3.01*	2.20*	3.35*	3.10*	3.71*	2.17*	1.70*
Far East							
North Vietnam	0.92* [c]	1.18* [d]	*N.A.*	*N.A.*	*N.A.*	*N.A.*	*N.A.*
Other							
Albania	0.02*	0.02*	0.11*	0.12*	0.16*	0.12*	0.15*
Cuba [e]	0.09*	0.08*	0.10*	0.10*	0.12*	0.12*	0.09*
Yugoslavia	3.27*	2.38*	3.23*	2.80*	2.89*	3.14*	2.97*

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Belgium [f]	2.05*	1.42*	1.66*	Greece	0.42*	0.59*	0.80*	Portugal	1.04*	0.80*	1.21*
Canada	2.06*	2.11*	2.42*	Italy	3.82*	3.55*	3.85*	Turkey	1.40*	1.68*	2.00*
Denmark	1.96*	0.94*	1.03*	Netherlands	3.97*	3.24*	5.65*	United Kingdom	7.27*	7.58*	7.00*
France	15.89*	11.07*	8.93*	Norway	1.25*	1.13*	0.82*	West Germany	24.54*	18.09*	16.25*

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for Irish potatoes.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Sweet potatoes and manioc.

[d] Sweet potatoes only.

[e] Data reflect government collections only; total production is considerably higher.

[f] Including data for Luxembourg.

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200005-5

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Table 135

Production of Meat [a]

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [b]	**24,700***	**28,100***	**28,900***	**29,600***	**30,600***	**30,600***	**31,700***
United States	12,795*	14,304*	14,798*	15,530*	16,000*	16,027*	16,446*
Communist Countries							
USSR and Eastern Europe	**10,700**	**12,800**	**13,600**	**14,400**	**14,700**	**14,400**	**14,900**
USSR [c]	7,300*	8,800*	9,500*	10,100*	10,200*	9,900*	10,400*
Eastern Europe	**3,380**	**4,040**	**4,140**	**4,290**	**4,550**	**4,520**	**4,470**
Bulgaria	174	278	293	296	320	285	268
Czechoslovakia	483	599	580	605	660	625	655
East Germany	730	886	930	968	1,003	1,016	1,000
Hungary [d]	430*	476*	469	472	532	513	511
Poland [e]	1,148	1,334	1,368	1,409	1,440	1,504	1,469
Romania	414	462	500	542	592	578	568
Other							
Albania	20*	20*	21*	18*	*N.A.*	*N.A.*	*N.A.*
Yugoslavia [d]	522*	639*	558*	627*	685*	630*	*N.A.*

Other NATO Countries [f]

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Belgium [g]	447*	474*	718*	Greece [h]	115*	181*	202*	Portugal	156*	167*	216* [i]
Canada	1,114*	1,327*	1,485*	Italy	1,104*	1,085*	1,315*	Turkey [h]	412*	440*	533*
Denmark	766*	896*	911*	Netherlands	704*	794*	1,015*	United Kingdom [h]	1,718*	2,019*	2,121*
France	2,613*	3,244*	2,993*	Norway	122*	132*	141*	West Germany	2,617*	3,074*	3,612*

Other Free World Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Argentina	2,263*	2,445*	3,033*	Brazil	1,872*	2,039*	2,335*	Mexico [j]	655*	812*	935*
Australia	1,359*	1,743*	1,943*	Japan [j]	322*	640*	912*	New Zealand	748*	797*	999*

* *An asterisk indicates that the data are unclassified.*

[a] Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutton, lamb, and goat where they are produced. Unless otherwise indicated, data exclude horsemeat, rabbit, poultry, edible offal, and lard.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Including poultry, edible offal, and slaughter fats.

[d] Including horsemeat and live exports.

[e] Including horsemeat and edible offal.

[f] Unless otherwise indicated, data include horsemeat.

[g] Including data for Luxembourg.

[h] Excluding horsemeat.

[i] Data are for the previous year.

[j] Including horsemeat.

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Table 136

Production of Milk [a]

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [b]	149,000*	154,000*	155,000*	157,000*	158,000*	157,000*	157,000*
United States	55,702*	56,324*	54,382*	53,873*	53,198*	52,773*	53,268*
Communist Countries							
USSR and Eastern Europe	82,600*	96,900*	102,000*	107,000*	110,000*	109,000*	111,000*
USSR	55,500*	68,200*	71,400*	75,100*	77,400*	76,600*	77,900*
Eastern Europe	27,100*	28,700*	30,700*	31,900*	32,300*	32,600*	32,800*
Bulgaria	744*	1,000*	1,098*	1,210*	1,198*	1,205*	1,210*
Czechoslovakia [c]	3,830*	3,924*	4,169*	4,335*	4,550*	4,747*	4,794*
East Germany [d]	5,730*	6,371*	6,728*	6,904*	7,227*	7,232*	7,160*
Hungary [e]	1,957*	1,762*	1,849*	1,976*	1,931*	1,900*	1,916*
Poland	12,488*	13,330*	14,221*	14,480*	14,628*	14,743*	14,900*
Romania	2,356*	2,302*	2,674*	2,971*	2,745*	2,735*	2,815*
Other							
Albania	44	47*	50*	60*	N.A.	55*	N.A.
Cuba	742*	620*	705*	705*	665*	625*	580*
Yugoslavia	2,280*	2,303*	2,510*	2,605*	2,631*	2,623*	2,754*

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Belgium	3,891*	3,941*	4,116*	Greece	392*	491*	562*	Norway	1,613*	1,625*	1,769*
Canada	8,385*	8,328*	8,435*	Italy	9,648*	9,184*	8,936*	Turkey	2,241*	2,446*	2,700*
Denmark	5,399*	5,367*	4,763*	Luxembourg	185*	188*	212*	United Kingdom	12,670*	11,386* [e]	12,374* [e]
France	22,652*	26,771*	29,438*	Netherlands	6,838*	7,142*	8,134*	West Germany	19,250*	21,253*	21,999*

* *An asterisk indicates that the data are unclassified.*

[a] Whole milk from cows.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Including milk sucked by young animals.

[d] In terms of 3.5% butter-fat content.

[e] Total sales off-farm.

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200005-5

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200005-5

Table 137

Production of Sugar [a]

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [b]	12,000*	13,200*	13,100*	13,900*	14,300*	14,800*	N.A.*
United States [c]	3,637*	4,871*	4,789*	4,802*	5,104*	4,971*	5,327*
Communist Countries							
USSR and Eastern Europe	10,600*	15,300*	14,500*	14,900*	15,300*	14,800*	N.A.
USSR [d]	6,363*	11,037*	9,740*	9,939*	10,766*	10,347*	10,223*
Eastern Europe	4,210*	4,240*	4,740*	4,930*	4,570*	4,450*	N.A.
Bulgaria [e]	186*	342*	385*	432*	313*	343*	403*
Czechoslovakia [e]	958*	874*	1,070*	1,039*	990*	939*	N.A.
East Germany [e]	739*	619*	671*	681*	603*	562*	N.A.
Hungary [e]	414*	465*	473*	469*	433*	453*	304
Poland	1,484*	1,505*	1,663*	1,823*	1,810*	1,686*	1,509*
Romania	425*	437*	480*	484*	417*	465*	409*
Far East							
Communist China [c]	920	1,500	1,500	1,700	1,600	1,500	1,650
Other							
Albania	15*	16*	17*	16*	17*	N.A.	N.A.
Cuba [f g]	5,862*	6,220*	4,530*	6,340*	5,280*	4,540*	8,500*
Yugoslavia	289*	369*	512*	508*	433*	514*	385*

Other NATO Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Belgium [h]	507*	431*	685*	Greece	0*	103*	146*	Turkey	699*	567*	545*
Canada	152*	137*	143*	Italy	998*	1,241*	1,385*	United Kingdom	860*	973*	1,006*
Denmark	322*	260*	304*	Netherlands	669*	595*	762*	West Germany	1,877*	1,601*	2,084*
France	2,267*	2,377*	2,720*	Portugal [c i]	14*	17*	11*				

Other Free World Countries [j]

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Australia	1,441*	2,073*	2,269*	Dominican Republic	1,112*	583*	886*	Mexico	1,530*	2,107*	2,564*
Brazil	3,319*	4,614*	4,174*	India	2,814*	3,493*	4,190*	Philippines	1,398*	1,659*	1,813*

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for beet sugar produced in the calendar year. Data are given in terms of the raw value of centrifugal sugar. Refined sugar is equal to approximately 92% of raw sugar by weight. Centrifugal, as distinguished from noncentrifugal, sugar includes cane and beet sugar produced by the centrifugal process and is the principal type of sugar moving in international trade.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Including cane sugar.

[d] Refined, including imported raw sugar.

[e] Including raw sugar imported for refining.

[f] Raw cane sugar of 96° polarization.

[g] Crop years ending 30 June of the stated year.

[h] Including data for Luxembourg.

[i] Data are for the Azores and Madeira only.

[j] Cane sugar only.

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200005-5

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Table 138

Fish Catch [a]

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries	10,000*	12,300*	12,900*	13,000*	12,800*	12,300*	N.A.*
United States	2,814.7*	2,724.3*	2,542.9*	2,430.5*	2,441.9*	2,495.4*	N.A.*
Communist Countries [b]							
USSR and Eastern Europe	3,900*	6,400*	6,760*	7,300*	7,640*	N.A.	N.A.
USSR	3,541.2*	5,774.1*	6,092.7*	6,538.1*	6,783.9*	7,090.6*	7,700.0*
Eastern Europe	358*	628*	666*	760*	854*	N.A.	N.A.
Bulgaria [c]	7.9*	17.3*	23.6*	39.3*	54.8*	77.2*	84.0*
Czechoslovakia	8.8*	11.0*	11.5*	11.8*	13.8*	14.0*	N.A.
East Germany	114.4*	229.4*	222.1*	290.0*	303.0*	270.0*	N.A.
Hungary	14.9*	24.8*	26.7*	28.3*	29.9*	27.8*	N.A.
Poland	186.7*	300.9*	338.1*	344.2*	411.5*	411.4*	476.4*
Romania	25.0*	44.3*	43.7*	46.7*	40.5*	N.A.	N.A.
Far East							
North Korea	465.0*	785.0*	700.0	N.A.	N.A.	N.A.	N.A.
Other							
Albania	2.6*	4.3*	4.9*	5.6*	N.A.	N.A.	N.A.
Cuba	31.2*	40.3*	43.2*	62.9*	65.7*	85.0*	100.0*
Yugoslavia [d]	30.9*	41.9*	45.5*	47.9*	44.9*	43.8*	N.A.

Other NATO Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Belgium	63.7*	59.8*	58.7*	Italy	249.5*	353.8* [g]	353.1* [g]	Turkey [d]	89.4*	135.7*	135.4* [f]
Canada	934.5*	1,262.3*	1,408.4*	Netherlands [h]	314.7*	377.0*	323.1*	United Kingdom	923.8*	1,047.3*	1,083.1*
Denmark	581.2*	840.8*	1,275.4*	Norway	1,543.0*	2,307.3*	2,481.0*	West Germany	674.0*	632.7*	651.6*
France	734.2*	767.6*	746.3*	Portugal [i]	475.1*	553.6*	457.0*				
Greece [d]	87.0*	82.4* [e]	92.8* [e f]								
Iceland	592.8*	1,199.0*	689.4*								

Other Free World Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Chile [g]	339.6*	708.5*	1,076.9*	Japan	6,192.7*	6,907.7*	8,623.5*	South Africa	863.8*	1,368.1*	2,130.0*
India [d]	1,161.4*	1,331.3*	1,605.0*	Peru [d]	3,569.1*	7,461.9*	9,223.5*	Spain	969.9*	1,341.5*	1,486.2*

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are in terms of live weight for all species of fish and seaweed, crustaceans, and mollusks, but exclude aquatic mammals.

[b] Including aquatic mammals.

[c] Commercial catch only.

[d] Including landed weight.

[e] Salt water catch only.

[f] Data are for the previous year.

[g] Including official estimates for catches not covered by the standard collection system.

[h] Including quantities landed by foreign fishing craft in Netherlands ports.

[i] Including data for the Azores and Madeira.

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Table 139

Number of Cattle [a]

Million Head

	1960	1965	1966	1967	1968	1969	1970	1971
NATO Countries [b]	185*	202*	204*	205*	206*	208*	210*	212*
United States	96.42*	109.00*	108.86*	108.64*	109.15*	109.88*	112.30*	114.57*
Communist Countries								
USSR and Eastern Europe	99.3*	114*	120*	125*	125*	124*	123*	127*
USSR	74.16*	87.17*	93.44*	97.11*	97.17*	95.74*	95.16*	99.14*
Eastern Europe	25.2*	26.6*	26.9*	27.9*	28.3*	28.4*	27.9*	28.1*
Bulgaria	1.28*	1.47*	1.45*	1.38*	1.36*	1.30*	1.26*	1.28*
Czechoslovakia	4.30*	4.44*	4.39*	4.46*	4.44*	4.25*	4.22*	4.29*
East Germany [c]	4.46* [d]	4.68*	4.76*	4.92*	5.02*	5.11*	5.17*	5.19*
Hungary	1.97* [e]	1.94*	1.92*	1.97*	2.05*	2.02*	1.91*	1.91*
Poland	8.70* [f]	9.35*	9.48*	10.00*	10.12*	10.53*	10.29*	10.25*
Romania	4.45*	4.76*	4.94*	5.20*	5.33*	5.14*	5.03*	5.22*
Far East								
North Korea	0.67*	0.69	N.A.	N.A.	N.A.	0.80	N.A.	N.A.
North Vietnam [g]	2.40*	2.38*	2.44*	2.47*	2.50*	N.A.	N.A.	N.A.
Other								
Albania [g]	0.43*	0.43*	0.43*	0.43*	0.43*	N.A.	N.A.	N.A.
Cuba	5.76*	6.61	6.70	6.77	7.10*	N.A.	N.A.	N.A.
Yugoslavia	5.30*	5.22*	5.58*	5.71*	5.69*	5.26*	5.03*	N.A.

Other NATO Countries

	1960	1965	1971		1960	1965	1971		1960	1965	1971
Belgium [h]	2.69*	2.69*	2.90*	Greece [g]	1.12*	1.12*	1.45*	Portugal	1.11*	1.11*	0.95* [l]
Canada [i]	10.49*	11.90*	12.22*	Italy [g]	9.40*	9.23*	9.32*	Turkey [g]	13.48*	14.41*	14.60*
Denmark [j]	3.31*	3.18*	2.77*	Netherlands	3.16*	3.32*	3.92*	United Kingdom	11.48*	11.69*	12.47*
France [k]	18.74*	20.24*	21.62*	Norway	1.08*	1.05*	0.93*	West Germany	12.48*	13.05*	14.00*

Other Free World Countries

	1960	1965	1971		1960	1965	1971		1960	1965	1971
Argentina [f]	43.40*	45.00*	49.63*	Brazil	72.83*	84.10*	97.12*	World total [n]	1,007.02*	1,099.70*	1,211.62*
Australia [m]	16.50*	18.78*	22.64*								

* *An asterisk indicates that the data are unclassified.*
[a] Unless otherwise indicated, data are as of the beginning of the year.
[b] Including only data for the United States and those countries listed under "Other NATO Countries."
[c] Unless otherwise indicated, data are as of 30 November of the previous year.
[d] As of 3 December of the previous year.
[e] As of March of the stated year.
[f] As of 30 June of the stated year.
[g] Including buffaloes.
[h] Including data for Luxembourg.
[i] Excluding data for Newfoundland.
[j] Including data for the Faeroe Islands and Greenland.
[k] As of 31 October of the previous year.
[l] Data are for the previous year.
[m] As of 31 March of the previous year.
[n] Estimated, including countries for which data are not available.

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Table 140

Number of Hogs [a]

Million Head

	1960	1965	1966	1967	1968	1969	1970	1971
NATO Countries [b]	113*	113*	109*	115*	126*	128*	130*	147*
United States	59.03*	50.79*	47.41*	53.25*	58.78*	60.63*	56.66*	67.54*
Communist Countries								
USSR and Eastern Europe	91.9*	97.6*	103*	101*	94.8*	92.2*	98.7*	112
USSR	53.37*	52.84*	59.58*	58.03*	50.87*	49.05*	56.06*	67.36*
Eastern Europe	38.5*	44.8*	43.2*	43.1*	43.9*	43.1*	42.7*	44.9
Bulgaria	2.27*	2.61*	2.41*	2.28*	2.31*	2.14*	1.97*	2.37
Czechoslovakia	5.69*	6.14*	5.54*	5.30*	5.60*	5.14*	5.04*	5.35
East Germany [c]	8.28* [d]	8.76*	8.88*	9.31*	9.25*	9.52*	9.24*	9.68
Hungary	5.36* [e]	7.04*	6.59*	6.12*	6.65*	5.81*	5.70*	7.30
Poland	12.62* [f]	14.20*	14.37*	14.70*	14.38*	14.68*	14.76*	13.87
Romania	4.30*	6.03*	5.36*	5.40*	5.75*	5.85*	5.97*	6.36
Far East								
North Korea	1.12*	1.21	N.A.	N.A.	N.A.	2.20	N.A.	N.A.
North Vietnam	3.63*	4.48*	4.84*	5.10*	5.20*	N.A.	N.A.	N.A.
Other								
Albania	0.12*	0.15*	0.14*	0.14	N.A.	0.19*	N.A.	N.A.
Cuba	1.72*	1.75	1.81	N.A.	N.A.	N.A.	N.A.	N.A.
Yugoslavia	6.21*	6.98*	5.12*	5.52*	5.86*	5.09*	5.54*	6.65*

Other NATO Countries

	1960	1965	1971		1960	1965	1971		1960	1965	1971
Belgium [g]	1.73*	1.85*	3.91*	Greece	0.64*	0.62*	0.63*	Portugal	1.80*	1.56*	1.20* [k]
Canada [h]	6.42*	5.58*	7.70*	Italy	4.15*	5.41*	9.53*	United Kingdom	6.01*	7.94*	8.56*
Denmark [i]	6.20*	8.20*	8.73*	Netherlands	2.94*	3.52*	6.35*	West Germany	14.88*	18.15*	20.92*
France [j]	8.36*	9.04*	11.31*	Norway	0.46*	0.52*	0.60*				

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are as of the beginning of the year.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Unless otherwise indicated, data are as of 30 November of the previous year.

[d] As of 3 December of the previous year.

[e] As of March of the stated year.

[f] As of 30 June of the stated year.

[g] Including data for Luxembourg.

[h] Excluding data for Newfoundland.

[i] Including data for the Faeroe Islands.

[j] As of 31 October of the previous year.

[k] Data are for the previous year.

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200005-5

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Table 141

Production of Ginned Cotton

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [a]	3,340*	3,660*	2,560*	2,110*	2,890*	2,690*	2,730*
United States	3,107.3*	3,259.9*	2,084.7*	1,623.8*	2,383.6*	2,179.2*	2,236.0*
Communist Countries							
USSR and Eastern Europe	1,480*	1,940*	2,060*	2,050*	2,030*	1,950*	2,360*
USSR	1,458.0*	1,925.0*	2,034.0*	2,030.0*	2,021.0*	1,941.0*	2,343.0*
Eastern Europe	21.1*	12.6*	22.8*	18.5*	10.3*	13.5*	12.5*
Bulgaria	21.1*	12.6*	22.8*	18.5*	10.3*	13.5*	12.5*
Far East							
Communist China	1,400.0	1,300.0	1,600.0	1,800.0	1,600.0	1,700.0	1,700.0
Other							
Albania	5.4*	8.1*	8.1*	7.2*	6.0	*N.A.*	*N.A.*
Cuba	7.2*	0.8*	0.5*	1.0*	0.6*	*N.A.*	*N.A.*
Yugoslavia	2.4*	1.7*	2.0*	3.4*	3.1*	2.7*	3.0*

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Greece	62.7*	74.0*	95.8*	Italy	5.7*	4.4*	1.7*	Turkey	168.7*	326.6*	395.2*

Other Free World Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Brazil	424.6*	544.3*	479.0*	Mexico	457.2*	571.5*	337.5*	UAR	478.1*	518.2*	479.0*
India	1,008.0*	1,001.5*	1,023.3*	Pakistan	304.4*	416.9*	544.3*				

* *An asterisk indicates that the data are unclassified.*

[a] Including only data for the United States and those countries listed under "Other NATO Countries." Data are for the crop year beginning 1 August of the stated year.

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Table 142

Production of Wool [a]

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [b]	327*	288*	285*	284*	262*	252*	247*
United States	146.3*	109.4*	107.0*	103.0*	96.3*	88.4*	85.0*
Communist Countries							
USSR and Eastern Europe	427*	436*	451*	480*	507*	480*	503
USSR	356.8*	356.9*	370.9*	394.5*	415.1*	389.7*	414.8*
Eastern Europe	70.3*	78.8*	79.8*	85.2*	91.5*	90.1*	87.9
Bulgaria	21.0*	25.8*	25.5*	27.2*	29.0*	28.0*	27.0
Czechoslovakia	2.5*	2.0*	2.2*	2.7*	3.2*	3.7*	4.0
East Germany	7.7*	8.0*	8.1*	8.0*	9.0*	7.9*	8.0
Hungary	8.3*	10.1*	9.9*	10.1*	10.9*	10.8*	10.6
Poland	9.0*	7.5*	8.0*	8.6*	8.8*	8.9*	8.9*
Romania	21.8*	25.4*	26.1*	28.6*	30.6*	30.8*	29.4
Other							
Albania	2.7*	2.9*	2.7*	2.7*	*N.A.*	*N.A.*	*N.A.*
Yugoslavia	13.6*	12.6*	13.5*	13.8*	13.5*	12.7*	12.4

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Canada	3.8*	2.6*	1.5* [c]	Italy	13.4*	15.5*	13.1*	Turkey	47.4*	43.0*	47.5*
France	29.5*	27.7*	20.4*	Norway	3.6*	5.0*	5.0*	United Kingdom	55.0*	58.6*	50.8*
Greece	11.4*	11.8*	7.3*	Portugal	11.0*	11.8*	13.0*	West Germany	5.2*	3.1*	3.6*

Other Free World Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Argentina	221.1*	211.0*	199.6*	New Zealand	266.7*	315.2*	335.7*	Uruguay	82.0*	84.0*	73.0*
Australia	740.3*	754.2*	946.6*	South Africa [d]	135.7*	164.4*	145.2*				

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, raw wool (grease basis) from sheep, which includes both shorn and pulled wool together with the wool element of "wooled sheepskins."

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Excluding pulled wool.

[d] Including data for Lesotho and South-West Africa.

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Table 143

Production of Grain Combines [a] in the United States, the United Kingdom, and Selected Communist Countries

Units

	1960	1965	1966	1967	1968	1969	1970
United States	30,165*	38,442*	46,728*	42,003*	31,400* [b]	24,000* [b]	N.A.*
United Kingdom [b]	3,213*	5,243*	3,786*	2,719*	3,721*	3,524*	N.A.*
COMMUNIST COUNTRIES							
USSR and Eastern Europe	67,000*	91,200*	99,700*	109,000*	112,000*	102,000*	104,000*
USSR	59,000*	85,800*	92,000*	101,200*	101,300*	94,500*	99,200*
Eastern Europe	8,040*	5,380*	7,660*	8,140*	10,300*	7,610*	5,050*
East Germany	1,972*	1,585*	1,588*	955*	800*	1,000*	1,100*
Poland	564*	1,781*	2,024*	2,232*	1,950*	2,226*	2,150*
Romania	5,500*	2,012*	4,049*	4,950*	7,518*	4,380*	1,800*

* *An asterisk indicates that the data are unclassified.*
[a] Tractor-drawn and self-propelled.
[b] Shipments.

Table 144

Production of Tractors [a]

Thousand Units

	1960	1965	1966	1967	1968	1969	1970
NATO COUNTRIES [b]	581*	708*	732*	670*	659*	640*	634*
United States	178.5*	271.8*	299.1*	262.1*	236.0*	217.0* [c]	192.6* [c]
COMMUNIST COUNTRIES							
USSR and Eastern Europe	308*	442*	472*	499*	525*	552*	577*
USSR	238.5*	354.5*	382.5*	405.1*	423.4*	441.7*	459.0*
Eastern Europe	69.0*	87.5*	90.0*	94.1*	102*	110*	118*
Bulgaria	0* [d]	3.8*	3.2*	3.3*	4.2*	5.0*	5.6*
Czechoslovakia	32.5*	30.5*	28.2*	28.7*	24.4*	18.6*	18.5*
East Germany	9.1*	12.9*	12.2*	11.1*	14.2*	15.5*	15.6*
Hungary	2.6*	3.0*	3.3*	3.6*	2.8*	1.7*	1.8*
Poland	7.7*	21.5*	24.6*	29.8*	35.0*	44.2*	46.8*
Romania	17.1*	15.8*	18.5*	17.6*	21.2*	24.9*	29.3*
Far East							
Communist China [e]	10.8	13.7	17.6	15.3	16.4	18–20	20–22
North Korea	3.0*	4.4	5.0	6.0	7.0	7.5	13.0
Other							
Yugoslavia	7.3*	7.4*	8.7*	8.8*	10.9*	10.8*	12.0*

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
France	63.4*	90.0*	68.6*	United Kingdom [f]	181.0*	178.5* [g]	180.4* [g h]	West Germany [i]	120.7*	105.0*	107.6*
Italy	37.6*	62.7*	85.3*								

* *An asterisk indicates that the data are unclassified.*
[a] Physical units.
[b] Including only data for the United States and those countries listed under "Other NATO Countries." The data exclude garden-type tractors.
[c] Data for wheel-type tractors are shipments.
[d] Production began in 1960 but was limited to a test series.
[e] Excluding garden-type tractors.
[f] Including industrial wheeled tractors.
[g] Shipments.
[h] Data are for the previous year.
[i] Excluding tracklaying tractors.

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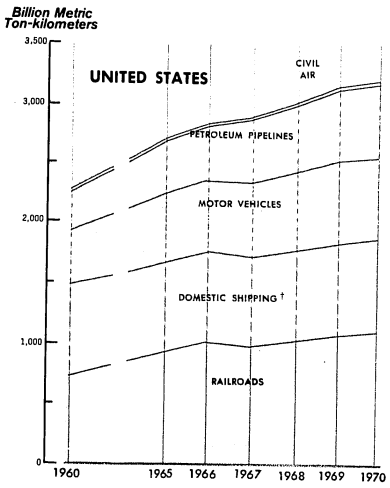
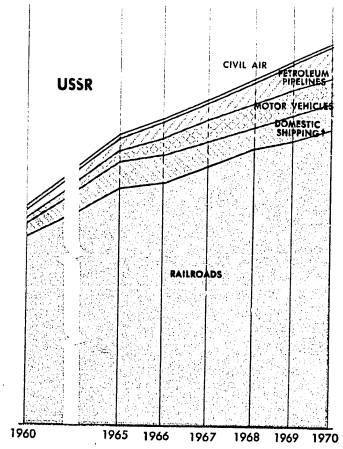
Figure 22

DOMESTIC TRANSPORT PERFORMANCE IN THE US AND THE USSR

	BILLION METRIC TON-KILOMETERS						
	1960	1965	1966	1967	1968	1969	1970
UNITED STATES	2,370	2,810	2,970	3,000	3,110	3,200	3,240
Civil air	1	3	4	5	6	7	7
Petroleum pipelines	334	447	486	527	571	600	629
Motor vehicles	473	589	625	637	650	663	675
Domestic shipping†	695	715	740	752	760	772	775
Railroads	868	1,053	1,112	1,083	1,122	1,153	1,157
USSR	1,790	2,420	2,530	2,710	2,890	3,030	3,230
Civil air	1	1	1	2	2	2	2
Petroleum pipelines	51	147	165	183	216	245	282
Motor vehicles	99	143	155	170	187	200	218
Domestic shipping†	138	181	189	196	207	213	232
Railroads	1,504	1,950	2,016	2,160	2,275	2,367	2,495





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† Including inland waterway, coastal, and intercoastal freight traffic. The US data include Great Lakes freight traffic, and the Soviet data include Caspian Sea freight traffic.

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Table 145

Railroad Freight Traffic,[a] in Ton-Kilometers

Billion Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries[b]	**1,140***	**1,360***	**1,430***	**1,390***	**1,440***	**1,490***	**1,520***
United States[c]	868.47*	1,052.72*	1,112.42*	1,083.37*	1,122.05*	1,153.44*	1,157.00*
Communist Countries							
USSR and Eastern Europe	**1,690***	**2,190***	**2,260***	**2,410***	**2,530***	**2,630***	**2,770***
USSR	1,504.30*	1,950.20*	2,016.00*	2,160.50*	2,274.80*	2,367.10*	2,494.60*
Eastern Europe	**187***	**236***	**246***	**250***	**259***	**266***	**279***
Bulgaria	6.98*	10.78*	11.45*	11.72*	12.20*	12.62*	13.06*
Czechoslovakia	47.41*	56.90*	57.65*	55.78*	56.71*	56.67*	58.95*
East Germany	32.86*	38.87*	39.68*	38.47*	38.51*	39.44*	41.00*
Hungary	13.31*	17.28*	17.88*	18.49*	18.33*	18.41*	19.38*
Poland	66.55*	81.01*	85.01*	88.54*	92.64*	95.02*	99.26*
Romania	19.82*	30.98*	34.54*	37.30*	40.71*	44.03*	47.20*
Far East							
North Korea	9.10*	10.50	11.94	12.48	12.82	13.00	13.50
Other							
Albania	0.05*	0.10*	0.11*	0.12*	0.13*	0.15*	0.16*
Yugoslavia[d]	15.19*	18.04*	17.52*	16.39*	16.37*	17.69*	18.57*

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Belgium	6.26*	6.81*	7.77*	Italy[c h]	15.86*	15.29*	18.00*	Portugal[c]	0.76*	0.76*	0.78*
Canada[c]	95.55*	127.09*	158.90*	Luxembourg	0.64*	0.62*	0.77*	Turkey	4.33*	5.30*	5.58*
Denmark[e]	1.44*[c]	1.49*	1.60*[f]	Netherlands[i]	3.41*	3.52*	3.52*	United Kingdom[c l]	30.50*[e]	25.23*	24.36*
France	56.93*	64.60*	70.42*	Norway[j]	1.59*[k]	2.06*	2.94*	West Germany	52.27*	57.13*	72.00*
Greece[g]	0.36*	0.57*	0.59*								

* *An asterisk indicates that the data are unclassified.*

[a] Excluding urban systems; plantation, forest, mine, industrial plant, underground, funicular, and cable railways; and short lines of little importance. Unless otherwise indicated, data are for the state or principal railroad system and include all goods and livestock carried during the calendar year and exclude service traffic, mail, and nonrevenue government stores. Freight traffic carried on more than one railroad line within a country is counted only once. Foreign trade freight traffic carried through more than one country, however, is counted in each country. Data for the United States include express and mail and are specifically for revenue and nonrevenue freight traffic for a more realistic comparison with Soviet methods of reporting.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Including secondary or private railroads operating as common carriers.

[d] Including service traffic.

[e] Including mail and passenger baggage. Data are for the year beginning 1 April of the stated year.

[f] Data are for the previous year.

[g] Including military and government traffic.

[h] Excluding livestock.

[i] Excluding express parcels.

[j] Including data for the Ofoten railroad.

[k] Data are for the year beginning 1 July of the previous year.

[l] Excluding data for Northern Ireland.

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Table 146

Railroad Freight Traffic,[a] in Tons Carried

Million Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries[b]	2,470*	2,660*	2,670*	2,560*	2,620*	2,690*	N.A.*
United States[c]	1,180.5*	1,341.7*	1,400.5*	1,359.4*	1,374.3*	1,413.0*	1,390.0*
Communist Countries							
USSR and Eastern Europe	2,810*	3,520*	3,630*	3,770*	3,890*	3,940*	4,120*
USSR	1,884.9*	2,415.3*	2,481.9*	2,604.6*	2,705.6*	2,758.7*	2,896.0*
Eastern Europe	928*	1,100*	1,140*	1,160*	1,180*	1,181*	1,220*
Bulgaria	38.4*	56.0*	60.7*	63.1*	62.8*	62.7*	68.2*
Czechoslovakia	194.1*	218.5*	224.1*	226.1*	227.3*	225.6*	233.0*
East Germany	237.8*	260.4*	262.5*	253.1*	252.9*	252.0*	262.0*
Hungary[d]	92.9*	112.3*	116.4*	115.5*	113.5*	111.2*	114.0*
Poland	286.9*	341.3*	353.6*	365.6*	377.8*	373.7*	382.3*
Romania	77.5*	114.4*	126.6*	137.1*	148.1*	155.4*	162.0*
Far East							
North Korea	38.5*	52.5	56.0	59.4	61.8	62.0	64.0
Other							
Albania	0.9*	1.6*	1.7*	2.0*	2.2*	2.4*	2.5*
Yugoslavia[e]	65.2*	74.8*	71.6*	68.7*	68.4*	70.2*	72.3*

Other NATO Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Belgium[e]	64.1*	65.9*	71.6*	Italy[c e]	67.9*	59.4*	62.9*[f]	Turkey	13.4*	14.0*	14.4*
Canada[c]	161.1*	204.4*	208.5*	Luxembourg	17.4*	16.4*	18.5*	United Kingdom[h]	253.1*[c]	232.4*[c]	204.0*
Denmark[c e]	8.9*	8.5*	8.3*[f]	Netherlands[e]	27.3*	28.1*	26.3*	West Germany[c e]	429.2*[i]	423.1*[i]	380.5*
France	227.0*	238.7*	243.0*	Norway[g]	18.6*[e]	24.5*	29.7*				
Greece	2.2*	3.3*	2.5*	Portugal	3.7*	3.7*	4.0*				

* *An asterisk indicates that the data are unclassified.*

[a] Excluding urban systems; plantation, forest, mine, industrial plant, underground, funicular, and cable railways; and short lines of little importance. Unless otherwise indicated, data are for the state or principal railroad system and include all goods and livestock carried during the calendar year and exclude service traffic, mail, and nonrevenue government stores. Freight traffic carried on more than one railroad line within a country is counted only once. Foreign trade traffic carried through more than one country, however, is counted in each country. Data for the United States are in tons originated, thus giving a more realistic comparison with European methods of reporting.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Including secondary or private railroads operating as common carriers.

[d] Including performance of railroads owned jointly by Hungary and Austria within Hungary.

[e] Including service traffic.

[f] Data for government railroads are for the stated year, and data for private railroads are for the previous year.

[g] Including data for the Ofoten railroad.

[h] Including data for Northern Ireland.

[i] Data include through consignments between private and government railroads.

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Table 147

Motor Vehicle Freight Traffic, in Ton-Kilometers, in the United States and Selected Communist Countries

Million Metric Tons

	1960	1965	1966	1967	1968	1969	1970
United States[a]	473,000*	589,000*	625,000*	637,000*	650,000*	663,000*	675,000*
COMMUNIST COUNTRIES[b]							
USSR and Eastern Europe	**120,000***	**175,000***	**191,000***	**210,000***	**233,000***	**251,000***	**273,000***
USSR	98,520*	143,083*	155,341*	170,160*	187,075*	200,103*	217,700*
Eastern Europe	**21,000***	**32,400***	**35,600***	**39,500***	**45,500***	**51,100***	**55,000***
Bulgaria	2,039*	3,821*	4,297*	5,106*	6,025*	6,400*	6,900*
Czechoslovakia	5,108*	6,975*	7,281*	7,813*	8,708*	9,046*	9,100*
East Germany	5,002*	7,213*	7,839*	8,171*	9,254*	10,749*	12,350*
Hungary	1,580*	2,726*	2,988*	3,370*	4,166*	5,011*	5,400*
Poland	5,692*	8,376*	9,263*	10,384*	12,007*	13,656*	14,339*
Romania	1,600*	3,270*	3,948*	4,680*	5,382*	6,190*	6,920*
Far East							
North Korea	552*	765	*N.A.*	*N.A.*	*N.A.*	*N.A.*	*N.A.*
Other							
Albania	328*	454*	527*	570*	627*	670*	759*

* *An asterisk indicates that the data are unclassified.*

[a] Total traffic for all urban streets and rural roads.

[b] Including traffic by state automotive transport organizations and by cooperatives; branch enterprises; and transport units of industries, plants, offices, and the like.

Table 148

Motor Vehicle Freight Traffic,[a] in Tons Carried, in the Communist Countries

Million Metric Tons

	1960	1965	1966	1967	1968	1969	1970
COMMUNIST COUNTRIES							
USSR and Eastern Europe	**9,990***	**13,000***	**13,900***	**14,600***	**15,700***	**16,500***	**17,600***
USSR	8,492.7*	10,746.0*	11,457.3*	11,947.0*	12,800.4*	13,392.1*	14,400*
Eastern Europe	**1,490***	**2,230***	**2,440***	**2,680***	**2,920***	**3,060***	**3,220***
Bulgaria	128.3*	281.3*	315.9*	379.4*	413.7*	430.0*	465*
Czechoslovakia	428.4*	577.7*	616.5*	660.3*	680.4*	663.8*	650*
East Germany	270.3*	345.8*	358.4*	372.6*	399.1*	436.6*	475*
Hungary	135.1*	239.2*	260.7*	277.5*	332.0*	373.7*	400*
Poland	408.2*	569.4*	621.3*	679.2*	757.9*	797.1*	837*
Romania	123.0*	218.0*	263.2*	311.3*	339.3*	360.0*	395*
Far East							
North Korea	78.6*	116.0	*N.A.*	*N.A.*	*N.A.*	*N.A.*	*N.A.*
Other							
Albania	10.3*	17.0*	18.5*	23.3*	26.3*	29.3*	32.2*

* *An asterisk indicates that the data are unclassified.*

[a] Including traffic by state automotive transport organizations and by cooperatives; branch enterprises; and transport units of industries, plants, offices, and the like.

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Table 149

Inland Water Freight Traffic, in Ton-Kilometers

Million Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries[a]	**200,000**	**248,000**	**262,000**	**283,000**	**305,000**	**312,000**	**N.A.**
United States[b]	123,000	162,553	173,758	190,033	205,697	212,231	217,000
Communist Countries							
USSR and Eastern Europe	**108,000**	**144,000**	**149,000**	**155,000**	**167,000**	**171,000**	**185,000**
USSR	99,602	133,928	137,686	143,907	155,394	160,056	174,000
Eastern Europe	**7,910**	**9,740**	**11,300**	**11,300**	**12,000**	**10,600**	**11,200**
Bulgaria	615	1,062	1,240	1,260	1,364	1,466	1,565
Czechoslovakia	1,962	2,172	2,412	2,243	2,360	1,942	2,100
East Germany	2,252	2,196	2,556	2,576	2,443	2,143	2,000
Hungary	1,308	1,682	2,284	2,222	2,555	2,488	2,500
Poland	904	1,409	1,762	1,881	2,021	1,442	1,938
Romania	865	1,222	1,074	1,156	1,280	1,165	1,130
Other							
Yugoslavia	3,272	4,354	5,196	4,690	5,318	4,279	5,000

Other NATO Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Belgium	5,226	5,498	6,870	Netherlands	20,020	24,070	30,077	West Germany	40,390	43,308	47,650
France	10,773	12,510	14,601	United Kingdom	276	213	140				

[a] Including only data for the United States and those countries listed under "Other NATO Countries."

[b] Internal, intraport, and local water traffic, excluding Great Lakes traffic. For 1969, coastwise and foreign trade traffic within US waters together amounted to 62 billion metric ton-kilometers. In the same year, traffic on the Great Lakes amounted to 122 billion metric ton-kilometers of domestic trade and 47 billion metric ton-kilometers of US foreign trade.

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ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 150

Inland Water Freight Traffic, in Tons Carried

Million Metric Tons

	1960	1965	1966	1967	1968	1969	1970
NATO Countries[a]	**821**	**1,000**	**1,040**	**1,090**	**1,160**	**1,190**	**N.A.**
United States[b]	358.56	428.63	443.67	454.42	472.56	497.57	499.00
Communist Countries							
USSR and Eastern Europe	**235**	**298**	**312**	**336**	**356**	**366**	**392**
USSR	210.32	269.44	279.02	301.81	322.51	332.74	357.6
Eastern Europe	**25.0**	**28.6**	**32.8**	**33.9**	**33.8**	**33.0**	**34.5**
Bulgaria	1.56	2.32	2.67	2.86	2.93	3.60	3.2
Czechoslovakia	3.53	4.06	4.35	4.20	4.34	3.85	3.5
East Germany	12.63	12.13	13.37	13.68	13.14	12.91	12.7
Hungary	2.39	2.58	3.18	3.25	3.25	3.19	3.2
Poland	2.95	4.68	5.98	6.30	6.57	6.32	8.8
Romania	1.91	2.86	3.24	3.58	3.54	3.15	3.1
Other							
Yugoslavia	10.04	12.81	15.32	15.43	18.61	18.12	18.0

Other NATO Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Belgium	61.16	77.03	92.66	Luxembourg[d]	0	3.42	8.02	United Kingdom	9.78	8.54	6.81
France	68.05	89.76	110.20	Netherlands	149.67	193.99	237.00	West Germany	171.36	195.69	233.80
Italy	2.54	2.78	4.39[c]								

[a] Including only data for the United States and those countries listed under "Other NATO Countries."
[b] Internal, intraport, and local water traffic, excluding Great Lakes traffic.
[c] Data are for the previous year.
[d] Traffic began in June 1964.

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Table 151

Ocean Freight Traffic,[a] in Ton-Kilometers, of the Communist Countries

Million Metric Tons

	1960	1965	1966	1967	1968	1969	1970
COMMUNIST COUNTRIES							
USSR and Eastern Europe	188,000*	501,000*	573,000*	709,000*	817,000*	865,000*	N.A.
USSR [b]	131,500*	388,800*	442,800*	527,100*	586,800*	622,100*	655,200*
Eastern Europe	56,700*	112,000*	130,000*	182,000*	230,000*	243,000*	N.A.
Bulgaria [c]	2,540*	9,064*	13,213*	27,599*	33,021*	37,474*	N.A.
Czechoslovakia	7,472*	3,261*	7,442*	9,063*	11,483*	11,069*	N.A.
East Germany [c]	10,518*	30.204*	32,636*	43,722*	49,030*	54,843*	N.A.
Hungary	230*	338*	571*	560*	1,052*	1,112*	N.A.
Poland [c d]	34,828*	55,838*	62,808*	73,921*	95,667*	99,497*	106,600*
Romania	1,065*	8,368*	13,336*	26,790*	39,827*	39,128*	N.A.
Far East							
North Korea [e]	135*	283	N.A.	N.A.	N.A.	N.A.	N.A.
Other							
Albania [c]	269*	977*	N.A.	N.A.	N.A.	N.A.	N.A.

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for international shipping and include the performance of ships of less than 1,000 gross register tons (GRT).

[b] Including Caspian Sea, Danube River, and domestic coastal and intercoastal traffic.

[c] Including coastal traffic.

[d] Possibly excluding the performance of some ships flying the Polish flag but under the control of the Chinese-Polish Shipbrokers Corporation. At the end of 1970, there were 12 of these ships, totaling 105,284 GRT.

[e] Including both modern coastal and inland water traffic.

Table 152

Air Passenger Traffic, in Passenger-Kilometers, in the US and the USSR

Billion Passenger-Kilometers

	1960	1965	1966	1967	1968	1969	1970
United States [a]	62.54*	110.52*	128.57*	158.92*	183.40*	201.84*	211.98*
USSR	12.10*	38.10*	45.10*	53.50*	62.10*	71.50*	78.20*

* *An asterisk indicates that the data are unclassified.*

[a] Revenue passenger-kilometers flown on scheduled service of certificated route air carriers.

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Table 153

Civil Airfreight Traffic,[a] in Ton-Kilometers, in the US and the USSR

Million Metric Tons

	1960	1965	1966	1967	1968	1969	1970
United States[b]	1,377	3,363	4,235	5,001	6,084	6,848	7,277
USSR	563	1,338	1,445	1,662	1,803	1,947	1,890

[a] Express, freight, and mail traffic.
[b] Revenue ton-kilometers flown on scheduled service of certificated route air carriers.

Table 154

Petroleum Pipeline Transportation, in Ton-Kilometers, in the United States and the Communist Countries

Billion Metric Tons

	1960	1965	1966	1967	1968	1969	1970
United States	333.8	447.3	486.0	527.1	571.3	600.0	629.2
Communist Countries[a]							
USSR	51.2	146.7	165.0	183.4	215.9	244.6	281.6
Romania	1.0	1.1	1.1	1.2	1.2	1.3	1.3

[a] Excluding traffic on the Friendship Pipeline in Czechoslovakia, Poland, East Germany, and Hungary.

Table 155

Petroleum Pipeline Transportation, in Tons Carried, in the United States and the Communist Countries

Million Metric Tons

	1960	1965	1966	1967	1968	1969	1970
United States[a]	414.7	554.9	600.9	659.0	704.9	746.1	790.0
Communist Countries[b]							
USSR	129.9	225.7	247.7	273.3	301.3	324.0	339.3
Romania	5.6	7.4	8.0	8.6	8.8	9.2	9.6

[a] Data are for tons originated, thus giving a more realistic comparison with the Communist countries.
[b] Excluding traffic on the Friendship Pipeline in Czechoslovakia, Poland, East Germany, and Hungary.

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Table 156

Construction of Maritime Cargo Ships[a] in Selected Communist Countries

	1960	1965	1966	1967	1968	1969	1970
	Thousand Gross Register Tons						
COMMUNIST COUNTRIES							
USSR and Eastern Europe	382	566	624	631	563	706	753
USSR	58.4	155.4	170.2	191.2	107.9	227.9	243.8
Eastern Europe	324	411	454	440	455	478	509
Bulgaria	4.1	10.3	10.3	11.8	17.7	13.0	0
East Germany	123.0	144.3	165.8	146.8	164.0	207.0	216.7
Hungary	20.7	15.1	15.1	8.8	12.8	5.8	6.0
Poland	166.7	218.5	246.5	247.5	226.3	220.8	265.9
Romania	9.6	22.8	16.6	24.9	34.2	31.0	20.6
Far East							
Communist China	15.1	8.6	0	8.6	2.8	15.5	38.5
	Units						
COMMUNIST COUNTRIES							
USSR and Eastern Europe	112	115	120	119	107	104	110
USSR	10	25	24	33	28	32	39
Eastern Europe	102	90	96	86	79	72	71
Bulgaria	3	4	4	5	7	6	0
East Germany	39	32	38	29	26	33	33
Hungary	16	12	12	7	10	4	4
Poland	40	33	37	37	27	21	27
Romania	4	9	5	8	9	8	7
Far East							
Communist China	5	1	0	1	1	3	5

[a] Data are for oceangoing cargo ships of 1,000 gross register tons or more completed during the year and exclude miscellaneous auxiliary ships, harbor craft, and small coastal ships.

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Table 157

Construction of Maritime Tankers[a] in Selected Communist Countries

Thousand Gross Register Tons

	1960	1965	1966	1967	1968	1969	1970
COMMUNIST COUNTRIES							
USSR and Eastern Europe	112	188	221	101	149	121	131
USSR	95.9	167.5	200.3	49.7	104.9	64.4	74.5
Eastern Europe	15.7	20.9	20.9	51.3	43.9	56.6	56.6
Bulgaria	11.5	7.6	7.6	11.5	3.8	0	0
East Germany	4.2	0	0	0	0	0	0
Poland	0	13.3	13.3	39.8	40.1	56.6	56.6
Far East							
Communist China	3.3	4.7	10.3	5.6	2.3	9.5	9.5

Units

COMMUNIST COUNTRIES							
USSR and Eastern Europe	19	11	12	12	16	13	13
USSR	13	8	9	6	12	9	9
Eastern Europe	6	3	3	6	4	4	4
Bulgaria	3	2	2	3	1	0	0
East Germany	3	0	0	0	0	0	0
Poland	0	1	1	3	3	4	4
Far East							
Communist China	1	2	4	2	1	1	1

[a] Data are for oceangoing tankers of 1,000 gross register tons or more completed during the year and exclude miscellaneous auxiliary ships, harbor craft, and small coastal ships.

Table 158

Construction of Fishing Ships in Selected Communist Countries[a]

Thousand Gross Register Tons

	1960	1965	1966	1967	1968	1969	1970
COMMUNIST COUNTRIES							
USSR and Eastern Europe	187	327	318	451	422	429	360
USSR	77.2	190.6	180.2	248.7	223.2	207.8	132.4
Eastern Europe	109	137	137	203	198	222	228
East Germany	46.3	68.2	76.5	97.1	76.8	102.4	101.9
Poland	63.1	68.6	60.9	105.5	121.6	119.2	125.9

Units

COMMUNIST COUNTRIES							
USSR and Eastern Europe	162	139	137	220	156	171	174
USSR	30	89	89	160	101	90	95
Eastern Europe	132	50	48	60	55	81	79
East Germany	93	32	35	42	32	51	56
Poland	39	18	13	18	23	30	23

[a] Only countries in which domestic construction is a significant percentage of overall construction are listed. Data exclude small fishing boats, seiners, and miscellaneous boats.

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Table 159

Production of Mainline Locomotives [a] in Selected NATO and Communist Countries

Units

	1960	1965	1966	1967	1968	1969	1970
NATO Countries							
United States [b]	886*	1,793*	1,800*	1,379*	1,120*	1,127*	1,113*
France	311*	293*	244*	230*	196*	195*	203*
Italy [c d]	150*	141*	156*	118*	138*	27*	53*
United Kingdom [e]	1,181*	719*	463*	356*	263*	*N.A.**	*N.A.**
West Germany	1,231*	947*	776*	493*	492*	495*	*N.A.**
Communist Countries							
USSR and Eastern Europe							
USSR	1,699*	2,126*	2,129*	1,885*	1,805*	1,760*	1,791
Eastern Europe							
Czechoslovakia [f]	290*	481*	370*	481*	436*	547*	545*
East Germany	5*	240*	216*	287*	153*	147*	*N.A.*
Hungary [c g]	0*	17*	34*	22*	24*	26*	25
Poland [c g]	38*	72*	80*	101*	109*	91*	75*
Romania [h]	10*	110*	125*	128*	157*	190*	*N.A.*
Far East							
Communist China [i]	600 [j]	50	140	200	240	260	280
North Korea [c]	0	21	19	19	18	23	25

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for diesel, diesel-electric, and electric railroad locomotives of 1,000 horsepower or more. Because of the lack of consistency, totals for the NATO and the Communist countries have been omitted.

[b] Data are for locomotive units, delivered domestically and exported, that are substantially new but also may include a limited amount of used equipment.

[c] Electric locomotives only.

[d] Production for the government only. Data include rail motor vehicles.

[e] Additions to the operating stock by the British Railways and the London Transport Boards and those exported.

[f] Including diesel and diesel-electric locomotives of 750 horsepower or more. Data differ from those presented in the previous *Handbook*, which included locomotives of 1,000 horsepower or more.

[g] Excluding narrow-gauge locomotives.

[h] Diesel locomtives only.

[i] Production of diesel locomotives began in 1965.

[j] Steam locomotives only.

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200005-5

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200005-5

Table 160

Production of Mainline Diesel Locomotives[a] in Selected NATO and Communist Countries

Units

	1960	1965	1966	1967	1968	1969	1970
NATO Countries							
United States[b]	885*	1,793*	1,800*	1,376*	1,120*	1,127*	1,113*
France	143*	209*	173*	167*	142*	147*	152*
United Kingdom[c]	1,007*	565*	304*	222*	188*	*N.A.**	*N.A.**
West Germany	1,110*	681*	556*	311*	392*	403*	*N.A.**
Communist Countries							
USSR and Eastern Europe							
USSR	1,303*	1,485*	1,529*	1,497*	1,500*	1,464*	1,485*
Eastern Europe							
Czechoslovakia[d]	121*	237*	172*	290*	301*	351*	350*
East Germany	3*	185*	184*	255*	129*	131*	*N.A.*
Romania	10*	110*	125*	128*	157*	190*	*N.A.*
Far East							
Communist China	0	30	70	100	140	160	180

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, including diesel and diesel-electric locomotives of 1,000 horsepower or more.

[b] Data are for locomotive units, delivered domestically and exported, that are substantially new but also may include a limited amount of used equipment.

[c] Additions to the operating stock by the British Railways and the London Transport Boards and those exported.

[d] Including diesel and diesel-electric locomotives of 750 horsepower or more. Data differ from those presented in the previous *Handbook*, which included locomotives of 1,000 horsepower or more.

Table 161

Production of Mainline Electric Locomotives[a] in Selected NATO and Communist Countries

Units

	1960	1965	1966	1967	1968	1969	1970
NATO Countries							
United States	1*	0*	0*	3*	0*	0*	0*
France	168*	84*	71*	63*	54*	48*	51*
Italy[b]	150*	141*	156*	118*	138*	27*	53*
United Kingdom[c]	174*	154*	159*	134*	75*	*N.A.**	*N.A.**
West Germany	121*	266*	220*	182*	100*	92*	*N.A.**
Communist Countries							
USSR and Eastern Europe							
USSR	396*	641*	600*	388*	305*	296*	306*
Eastern Europe							
Czechoslovakia	169*	244*	198*	191*	135*	196*	195*
East Germany	2*	55*	32*	32*	24*	16*	*N.A.*
Hungary[d]	0*	17*	34*	22*	24*	26*	25
Poland[d]	38*	72*	80*	101*	109*	91*	75*
Far East							
North Korea	0	21	19	19	18	23	25

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for electric locomotives of 1,000 horsepower or more.

[b] Production for the government only. Data include rail motor vehicles.

[c] Additions to the operating stock by the British Railways and the London Transport Boards and those exported.

[d] Excluding narrow-gauge locomotives.

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200005-5

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200005-5

Table 162

Production of Railroad Freight Cars[a]

Thousand Units

	1960	1965	1966	1967	1968	1969	1970
NATO Countries[b]	83.5*	118*	118*	106*	75.5*	91.6*	N.A.*
United States[c]	57.31*	77.90*	90.35*	83.10*	56.26*	69.03*	65.96*
Communist Countries							
USSR and Eastern Europe	64.9*	72.9*	75.0*	75.0*	80.8*	85.1*	N.A.
USSR	36.40*	39.60*	40.20*	43.80*	48.10*	50.20*	58.30
Eastern Europe	28.5*	33.3*	34.8*	31.2*	32.7*	34.9*	N.A.
Bulgaria	2.01*	1.58*	1.93*	1.77*	1.55*	1.76*	1.99
Czechoslovakia	5.15*	4.30*	4.44*	4.19*	4.32*	4.32*	4.30
East Germany	2.38*	1.99*	3.66*	4.18*	5.49*	4.19*	4.00
Hungary	0.45*	0.55*	0.56*	0.39*	0.45*	0.27*	*N.A.*
Poland	13.89*	16.29*	16.60*	12.65*	12.63*	13.97*	15.50
Romania	4.62*	8.58*	7.61*	8.03*	8.27*	10.41*	11.77
Far East							
Communist China	23	6.6	7.5	6.9	8.7	11	12
North Korea	0.6*	1.6	1.8	1.8	1.8	1.9	3.5
Other							
Yugoslavia	3.42*	4.85*	4.24*	2.37*	2.68*	4.23*	*N.A.*

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
France	7.93*	15.04*	14.23*	United Kingdom[d]	8.52*	4.62*	*N.A.**	West Germany	6.63*	11.31*	6.91*[e]
Italy	3.15*	9.26*	2.61*								

* *An asterisk indicates that the data are unclassified.*

[a] Units of two, four, or more axles. The majority of the production now consists of four-axle units.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Shipments.

[d] Additions to the operating stock by the British Railways and the London Transport Boards and those exported.

[e] Data are for the previous year.

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ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 163

Production of Passenger Automobiles

Thousand Units

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [a]	**11,900**	**17,100**	**17,000**	**15,400**	**17,900**	**18,300**	**17,200**
United States [b]	6,674.8	9,305.6	8,598.3	7,436.8	8,822.2	8,223.7	6,546.8
Communist Countries							
USSR and Eastern Europe	**273**	**412**	**463**	**510**	**572**	**624**	**705**
USSR	138.8	201.2	230.3	251.4	280.3	293.6	344.3
Eastern Europe	**134**	**211**	**233**	**258**	**292**	**330**	**361**
Bulgaria	0	0	0	1.7	3.9	7.2	7.0
Czechoslovakia	56.2	77.7	92.7	111.7	125.5	132.4	142.9
East Germany	64.1	102.9	106.5	111.5	114.6	120.9	127.0
Poland	12.9	26.4	29.2	27.7	40.4	50.2	67.9
Romania [c]	1.2	3.7	4.6	5.6	7.7	19.1	16.0
Other							
Yugoslavia [d]	10.5	35.9	37.7	47.9	59.4	80.5	110.7

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Belgium [e]	*N.A.*	169.1	291.6 [f]	Italy [g]	595.9	1,103.9	1,719.6	United Kingdom	1,352.7	1,722.0	1,640.4
Canada	325.8	710.7	940.4	Netherlands	15.2	29.9	60.6	West Germany	1,816.8	2,733.7 [h]	3,528.0 [h]
France	1,135.6	1,374.0	2,457.6								

Other Free World Countries

	1960	1965	1970
Japan	165.1	696.2	3,178.7

[a] Including only data for the United States and those countries listed under "Other NATO Countries."
[b] Factory sales.
[c] Including jeeps.
[d] Including vehicles assembled from imported parts.
[e] Including data for Luxembourg.
[f] Data are for the previous year.
[g] Excluding production for the armed forces.
[h] Including data for West Berlin, for which separate data are not available.

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Table 164

Production of Trucks and Buses [a]

Thousand Units

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [b]	2,250*	2,920*	2,980*	2,710*	3,220*	3,440*	3,180*
United States [c]	1,194.5*	1,751.8*	1,731.1*	1,539.5*	1,896.1*	1,923.2*	1,692.4*
Communist Countries							
USSR and Eastern Europe	456*	510*	554*	598*	658*	708*	734*
USSR	384.8*	415.1*	445.0*	477.4*	520.5*	550.6*	571.8*
Eastern Europe	71.7*	94.7*	109*	121*	137*	157*	162*
Bulgaria	0*	0*	0*	*Negl.*	1.9*	4.0*	4.0*
Czechoslovakia [d]	19.1*	19.1*	20.8*	23.6*	26.5*	27.6*	28.0*
East Germany	13.3*	16.0*	21.3*	22.6*	24.5*	26.8*	29.0*
Hungary [d]	4.4*	6.3*	7.1*	7.5*	8.6*	8.8*	9.8*
Poland [d]	24.0*	34.2*	37.8*	40.7*	44.5*	51.9*	51.4*
Romania	10.9*	19.1*	22.4*	26.2*	31.2*	37.9*	40.0*
Far East							
Communist China [e]	15	34	47	34	31	66	75
North Korea	3.1*	4.5	6.0	8.0	9.5	9.8	14.7
Other							
Yugoslavia [d f]	5.5*	11.9*	11.8*	12.1*	13.3*	14.3*	16.2*

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Belgium [g]	0.5*	6.4*	26.7* [h]	Italy [f]	48.9*	71.6*	134.5*	United Kingdom	458.0*	455.2*	457.5*
Canada	72.0*	144.8*	253.2*	Netherlands	4.1*	6.1*	12.0*	West Germany	237.9*	242.8* [i]	314.4* [i]
France	233.6*	242.4*	291.6*								

Other Free World Countries

	1960	1965	1970
Japan	595.2*	1,222.4*	2,124.5*

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for light and heavy trucks, wheeled tractors for road haulage, special vehicles, and buses.

[b] Including only data for the United States and those countries listed under "Other NATO Countries." Data include complete units exported for assembly.

[c] Factory sales.

[d] Excluding wheeled tractors.

[e] Excluding buses, jeeps, and three-wheel trucks.

[f] Excluding production for the armed forces.

[g] Including data for Luxembourg.

[h] Data are for the previous year.

[i] Including data for West Berlin, for which separate data are not available.

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200005-5

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Table 165

Inventory of Civil Aircraft [a] in the US and the USSR

Units

	1960	1965	1966	1967	1968	1969	1970
United States							
Total airliners [b]	2,110*	2,070*	2,230*	2,410*	2,560*	2,670*	2,650*
Jet	202*	725*	1,006*	1,344*	1,781*	2,068*	2,136*
Turboprop	230*	312*	372*	444*	458*	380*	374*
Piston	1,678*	1,037*	849*	622*	316*	218*	144*
Transport helicopters	25*	21*	21*	22*	16*	18*	16*
USSR							
Total airliners	1,870	2,120	1,990	2,150	2,320	2,480	2,570
Jet	190	230	230	260	275	340	440
Turboprop	180	560	660	830	1,020	1,160	1,190
Piston	1,500	1,330	1,100	1,060	1,020	980	940
Transport helicopters	225	630	700	720	750	820	900

* *An asterisk indicates that the data are unclassified.*

[a] Data are as of the end of the year and exclude light aircraft.

[b] Including all aircraft that perform commercial for-hire operations. In the United States, there are about 2,500 multiengine aircraft of more than 2,000 horsepower, which are operated by private corporations and individuals. The USSR has no counterpart.

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Table 166

Inventory of Locomotives [a]

Units

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [b]	**79,800***	**67,600***	**65,200***	**62,600***	**60,800***	**59,900***	**N.A.***
United States [c d]	31,178*	30,061*	30,124*	29,874*	29,448*	29,090*	29,000*
Communist Countries							
USSR and Eastern Europe	**55,900**	**49,800**	**49,600**	**49,100**	**48,900**	**49,000**	**49,300**
USSR	34,000*	26,900*	26,700*	26,900*	27,100*	28,000*	29,000*
Eastern Europe	**21,900**	**22,900**	**22,900**	**22,200**	**21,800**	**21,000**	**20,300**
Bulgaria	635	730	730	720	710	700	680
Czechoslovakia	5,230*	5,520*	5,520*	4,879*	4,860*	4,400	4,100
East Germany	6,023	5,985	6,075	6,254	6,100	5,900	5,700
Hungary	2,460	2,555	2,470	2,390	2,290	2,245	2,175
Poland	5,800*	6,334*	6,334*	6,194*	6,166*	6,100*	6,000*
Romania	1,720	1,780	1,780	1,750	1,720	1,700	1,600
Far East							
Communist China	5,900	5,400	5,400	5,500	5,600	5,700	5,900
North Korea	350	430	440	450	465	480	500
North Vietnam	70	120	*N.A.*	*N.A.*	*N.A.*	*N.A.*	*N.A.*
Other							
Albania	9*	14*	14*	18*	18*	19*	19*
Yugoslavia	2,325*	2,284*	2,192*	2,103*	1,996*	1,948*	1,900*

Other NATO Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Belgium	1,494*	1,238*	1,083*	Italy [c]	5,282*	4,470*	3,920* [e]	Turkey	983*	974*	961*
Canada [c]	3,752*	3,323*	3,316*	Luxembourg	121*	85*	85*	United Kingdom [c g]	16,047*	8,107*	4,529*
Denmark [c]	663*	624*	434* [e]	Netherlands	684*	675*	673*	West Germany	10,442*	9,592*	8,445*
France	7,963*	7,360*	6,140*	Norway	455*	332*	305*				
Greece	231*	335*	416* [f]	Portugal	457*	439*	511*				

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for the state or principal railroad system and include diesel, diesel-electric, steam, and electric locomotives. Data are as of the end of the year.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Including secondary or private railroads operating as common carriers.

[d] Including gas turbine locomotives.

[e] Data for government railroads are for the stated year, and data for private railroads are for the previous year.

[f] Data are for the previous year.

[g] Including data for Northern Ireland.

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Table 167

Inventory of Railroad Freight Cars [a] in NATO and Communist Countries

Thousand Units

	1960	1965	1966	1967	1968	1969	1970
United States [b c]	1,945.7*	1,806.2*	1,833.5*	1,848.1*	1,813.4*	1,814.3	1,810.0*
COMMUNIST COUNTRIES							
USSR and Eastern Europe							
USSR [d]	949.0*	1,030.0*	1,050.0*	1,060.0*	1,090.0*	1,110.0*	1,130.0*
Eastern Europe							
Bulgaria	22.0*	33.0*	35.5*	36.0*	36.6*	37.2*	37.8*
Czechoslovakia	129.3*	136.1*	137.5*	136.3*	136.2*	137.8*	140.7*
East Germany [e]	154.3*	152.0*	151.0*	150.0*	148.0*	146.0*	145.0*
Hungary [e]	62.0*	73.4*	75.6*	76.8*	77.5*	78.0*	78.7*
Poland [e]	249.0*	263.9*	266.6*	267.3*	267.7*	269.7*	274.3*
Romania	55.5*	68.6*	71.9*	76.5*	79.5*	83.0*	86.0*
Far East							
Communist China [f]	132	143	147	151	157	166 [g]	175 [g]
North Korea [f]	10.4	15.2	16.7	18.0	19.4	20.8	23.8
North Vietnam	1.0	1.6	*N.A.*	*N.A.*	*N.A.*	3.0 [h]	*N.A.*
Other							
Albania [e]	0.5*	0.9*	1.0*	1.1*	1.2*	1.3*	1.4*
Yugoslavia	72.6*	72.4*	71.2*	68.6*	64.6*	63.3*	64.0*

Other NATO Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Belgium	74.0*	60.3*	48.0*	Italy [c]	133.7*	133.9*	128.6* [j]	Portugal	10.2*	9.9*	9.7*
Canada [c]	196.6*	188.4*	191.5*	Luxembourg	3.6*	3.6*	3.8*	Turkey	17.2*	17.5*	17.9*
Denmark	12.6*	11.7*	10.9*	Netherlands	22.2*	22.2*	19.0*	United Kingdom [c k]	956.0*	605.6*	429.3*
France	362.2*	362.3*	302.8*	Norway	11.9*	11.0*	10.3*	West Germany	309.6*	329.5*	316.1*
Greece	6.3*	7.2*	9.7* [i]								

* *An asterisk indicates that the data are unclassified.*

[a] Units of two, four, or more axles. Unless otherwise indicated, data refer to both state and private ownership of cars used on the state or principal railroad system. Data are as of the end of the year. Because of the lack of comparability in data, totals for the NATO and the Communist countries are omitted.

[b] Units of four or more axles.

[c] Including secondary or private railroads operating as common carriers.

[d] During 1966–70 the percentage of cars with four or more axles increased from 87.3% to 98.3%.

[e] Excluding narrow-gauge rolling stock.

[f] The majority are four-axle units.

[g] Including Chinese freight cars in transit or on loan to North Vietnam.

[h] Including Chinese freight cars in transit or on loan.

[i] Data are for the previous year.

[j] Data for government railroads are for the stated year, and data for private railroads are for the previous year.

[k] Excluding privately owned tank cars and including data for Northern Ireland.

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200005-5

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Table 168

Inventory of Civilian Trucks [a]

Thousand Units

	1960	1965	1966	1967	1968	1969	1970
NATO Countries	17,500*	22,000*	23,100*	24,000*	24,900*	26,300*	N.A.*
United States [b]	11,329*	14,035*	14,721*	15,359*	16,052*	16,974*	17,800*
Communist Countries							
USSR and Eastern Europe	3,570*	4,490*	4,660*	4,830*	5,070*	5,340*	5,600*
USSR	3,140*	3,900*	4,030*	4,160*	4,330*	4,520*	4,710*
Eastern Europe	428*	593*	630*	674*	743*	823*	895*
Bulgaria	20*	22*	25*	26*	29*	31*	33*
Czechoslovakia	90*	122*	130*	138*	162*	187*	210*
East Germany	132*	166*	173*	183*	194*	210*	230*
Hungary	26*	42*	44*	48*	57*	66*	69*
Poland	120*	183*	196*	213*	229*	246*	260*
Romania	40*	58*	62*	66*	72*	83*	93*
Far East							
Communist China [c]	154	230	274	303	325	379	448
North Korea [c]	N.A.	N.A.	N.A.	N.A.	50	58	71
Other							
Albania	3*	5*	5*	6*	7*	7*	8*
Yugoslavia	51*	78*	91*	109*	114*	122*	135*

Other NATO Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Belgium	177*	234*	246*	Iceland	6*	6*	6*	Portugal	50*	65*	123* [e]
Canada	1,039*	1,206*	1,450*	Italy	612*	929*	1,180*	Turkey	57*	90*	116*
Denmark [d]	166*	232*	257*	Luxembourg	8*	11*	12* [e]	United Kingdom [g h]	1,442*	1,710*	1,680*
France	1,597*	2,135*	2,657*	Netherlands [f]	158*	225*	304*	West Germany [i]	687*	975*	1,066*
Greece	37*	65*	88*	Norway	107*	127*	139*				

* *An asterisk indicates that the data are unclassified.*

[a] Excluding military trucks of all types. Unless otherwise indicated, data are as of the end of the year and include wheeled tractors for road haulage.

[b] Data are for the number of registrations of privately owned trucks and include duplications when trucks are registered in more than one state. Farm trucks restricted to use in the vicinity of the farm are excluded.

[c] Including both military and civilian trucks.

[d] Excluding wheeled tractors.

[e] Data are for the previous year.

[f] As of 1 August of the stated year.

[g] Including data for Northern Ireland.

[h] As of 1 October of the stated year.

[i] As of 1 July of the stated year.

SECRET/NO FOREIGN DISSEM
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Table 169

Inventory of Merchant Fleet [a]

	1960		1965		1967		1968		1969		1970	
	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT
NATO Countries [b]	10,800*	79,800*	9,940*	86,600*	9,570*	89,900*	9,460*	93,000*	9,220*	95,300*	8,960*	98,900*
United States [c]	2,960*	23,870*	2,449*	21,203*	2,209*	19,495*	2,101*	18,819*	2,013*	18,373*	1,780*	16,918*
Communist Countries												
USSR and Eastern Europe	1,020	4,220	1,660	8,960	1,940	11,200	2,060	12,100	2,190	12,900	2,320	13,900
USSR [d]	829	3,283	1,284	6,906	1,476	8,408	1,574	9,066	1,680	9,667	1,793	10,450
Eastern Europe	189*	932*	376*	2,060*	464*	2,760*	490*	3,000*	510	3,260	530	3,470
Bulgaria [e]	15*	46*	61*	381*	84*	530*	94*	584*	96	616	102	634
Czechoslovakia [f]	11*	85*	10*	74*	10*	84*	10*	84*	9	82	12	98
East Germany	29*	174*	95*	593*	118*	746*	114*	713*	123	851	126	936
Hungary	8*	10*	16*	20*	19*	23*	21*	33*	20	32	16	28
Poland [g]	119*	585*	164*	865*	187*	1,078*	204*	1,256*	215	1,345	227	1,443
Romania	7*	32*	30*	124*	46*	302*	47*	328*	47	335	47	335
Far East												
Communist China [h]	147	516	174	710	214	983	232	1,106	218	1,068	256	1,404
North Korea	0*	0*	2*	3*	4*	15*	4*	15*	5	17	5	17
North Vietnam	0	0	2	5	4	8	4	8	4	7	6	14
Other												
Albania [i]	4*	8*	8*	33*	9*	36*	9*	37*	10	45	11	54
Cuba [j]	28*	89*	29*	128*	40*	223*	40*	223*	48	282	52	315
Yugoslavia [j]	130*	617*	174*	933*	178*	1,092*	182*	1,237*	189	1,420	190	1,472

Other NATO Countries

Thousand GRT

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Belgium	646*	740*	954*	Iceland	53*	59*	40*	Portugal	466*	557*	688*
Canada	293*	239*	289*	Italy	4,758*	5,246*	6,680*	Turkey	603*	601*	524*
Denmark	2,027*	2,394*	2,903*	Netherlands	4,327*	4,344*	4,697*	United Kingdom	19,370*	19,680*	23,194*
France	4,472*	4,790*	6,063*	Norway	10,708*	14,937*	18,326*	West Germany	4,137*	4,865*	6,941*
Greece [k]	4,095*	6,980*	10,645*								

* *An asterisk indicates that the data are unclassified.*

[a] Ships of 1,000 gross register tons (GRT) or more. Unless otherwise indicated, data are as of the end of the year. Data for the NATO countries include all combination passenger and cargo ships, whereas, unless otherwise indicated, those for the Communist countries exclude passenger ships that have small cargo capacities.

[b] Data are as of midyear.

[c] Excluding ships operating only on the Great Lakes and US-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

[d] Excluding the Caspian Sea fleet and including refrigerator ships and tankers serving the fishing fleet.

[e] Before August 1968, a few additional Bulgarian-owned ships were operated under the flags of Free World countries.

[f] Until March 1967, an undetermined number of Czechoslovak-flag ships were jointly owned with Communist China.

[g] Including some ships flying the Polish flag but under the control of the Chinese-Polish Shipbrokers Corporation. At the end of 1970, there were 12 of these ships, totaling 105,284 GRT.

[h] Including coastal passenger ships.

[i] Except for 1960, data include a number of ships jointly owned by the Chinese-Albanian Joint Stock Shipping Company. At the end of 1970, there were four of these ships, totaling 30,811 GRT.

[j] Data are as of midyear through 1967.

[k] Excluding Greek-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

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Table 170

Inventory of Tanker Fleet [a]

	1960		1965		1967		1968		1969		1970	
	Number	Thousand GRT	Number	Thousand GRT	Number	GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT
NATO Countries [b c]	2,160*	25,400*	1,940*	30,600*	1,890*	33,300*	1,880*	34,900*	1,870*	36,500*	1,880*	40,400*
United States [d]	428*	4,910*	351*	4,762*	317*	4,500*	315*	4,525*	305*	4,487*	301*	4,652*
Communist Countries												
USSR and Eastern Europe	140	923	234	2,500	280	3,070	297	3,230	317	3,420	342	3,640
USSR [e]	128	820	205	2,204	245	2,707	264	2,859	284	2,993	307	3,166
Eastern Europe	12*	103*	29*	300*	35*	363*	33*	375*	33*	428*	35	473
Bulgaria	2*	10*	12*	118*	16*	149*	16*	146*	16*	164*	17	165
Czechoslovakia	1*	13*	0*	0*	0*	0*	0*	0*	0*	0*	0	0
East Germany	4*	33*	10*	94*	11*	102*	8*	97*	8*	132*	9	176
Poland	5*	47*	5*	63*	5*	63*	5*	63*	5*	63*	5	63
Romania	0*	0*	2*	25*	3*	49*	4*	69*	4*	69*	4	69
Far East												
Communist China	11	22	17	88	25	110	27	127	28	142	38	257
North Vietnam	0	0	0	0	1	2	1	2	2	4	3	8
Other												
Cuba [f]	2*	3*	2*	5*	2*	5*	2*	5*	2*	5*	5	31
Yugoslavia [f]	6*	40*	11*	64*	16*	98*	17*	166*	17*	228*	17	228

Other NATO Countries

Thousand GRT

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Belgium	157*	275*	305*	Iceland	12*	11*	5*	Portugal	121*	159*	260*
Canada	126*	100*	101*	Italy	1,587*	1,951*	2,697*	Turkey	77*	110*	164*
Denmark	822*	972*	1,340*	Netherlands	1,348*	1,535*	1,998*	United Kingdom	6,869*	7,517*	11,127*
France	1,837*	2,302*	3,537*	Norway	6,215*	8,312*	8,952*	West Germany	564*	835*	1,364*
Greece [g]	798*	1,753*	3,879*								

* *An asterisk indicates that the data are unclassified.*

[a] Tankers and whaling tankers of 1,000 gross register tons (GRT) or more. Unless otherwise indicated, data are as of the end of the year.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Data are as of midyear.

[d] Excluding ships operating only on the Great Lakes and US-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

[e] Excluding the Caspian Sea Fleet.

[f] Data are as of midyear through 1967.

[g] Excluding Greek-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

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Table 171

Telephones in Use [a]

Thousand

	1960	1965	1966	1967	1968	1969	1970
NATO Countries	**108,000**	**140,000**	**149,000**	**157,000**	**167,000**	**178,000**	**N.A.**
United States	74,342	93,656	98,789	103,752	109,256	115,222	122,000
Communist Countries [b]							
USSR and Eastern Europe	**6,680**	**13,300**	**13,700**	**16,000**	**17,500**	**19,100**	**20,600**
USSR [c]	2,697	7,700	7,800	9,700	10,800	12,000	13,000
Eastern Europe	**3,980**	**5,560**	**5,900**	**6,280**	**6,730**	**7,140**	**7,600**
Bulgaria	172	279	306	338	378	414	450
Czechoslovakia [d]	1,016	1,491	1,583	1,679	1,789	1,895	2,003
East Germany	1,292	1,659	1,724	1,780	1,898	1,986	2,110
Hungary	418	528	559	591	636	683	740
Poland	881	1,294	1,411	1,530	1,651	1,756	1,870
Romania [d]	201	306	331	362	378	401	425
Other							
Albania	7	11	*N.A.*	*N.A.*	*N.A.*	*N.A.*	*N.A.*
Cuba	200	231	235	238	243	263	270
Yugoslavia	260	415	452	506	549	623	700

Other NATO Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Belgium	1,143	1,565	1,937	Iceland	40	56	68	Portugal	395	550	698
Canada	5,728	7,456	9,303	Italy	3,861	5,981	8,528	Turkey	304	351	514
Denmark	1,072	1,364	1,600	Luxembourg	51	80	106	United Kingdom [e]	8,270	10,704	12,947
France	4,358	6,117	8,114	Netherlands	1,613	2,382	3,121	West Germany	5,994	8,802	12,456
Greece	222	508	881	Norway	740	908	1,091				

[a] Unless otherwise indicated, data are as of the end of the year and are for both private and public telephones in use that can be connected to a central exchange.

[b] Telephones operated by the various civil departments of post and telecommunications and, unless otherwise indicated, excluding telephones serviced by other functional ministries and the military.

[c] Beginning in 1965, data include telephones used by the functional ministries and exclude those used by the military.

[d] Telephone subscribers.

[e] Data are as of 31 March of the following year.

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Table 172

Long-Distance Telephone Calls

Million

	1960	1965	1966	1967	1968	1969	1970
NATO Countries [a]	7,320*	10,900*	11,900*	12,900*	14,400*	16,000*	N.A.*
United States	3,427.0*	4,734.0*	5,196.0*	5,602.0*	6,189.0*	6,831.0*	7,540.0*
Communist Countries							
USSR and Eastern Europe	672*	902*	968*	1,170*	1,300*	N.A.	N.A.
USSR	185.0*	257.0*	283.0*	314.0*	343.0*	386.0*	430.0*
Eastern Europe	487*	645*	685*	854*	961*	N.A.	N.A.
Bulgaria	31.7*	38.6*	40.5*	42.0*	43.6*	44.2*	44.5*
Czechoslovakia	100.6*	121.8*	127.5*	132.8*	138.8*	143.5*	149.0*
East Germany	167.4*	253.4*	274.1*	296.4*	320.0*	346.4*	349.0*
Hungary	30.7*	29.7*	31.3*	33.3*	34.2*	35.4*	37.0*
Poland [b]	108.8*	131.8*	137.1*	273.3*	346.8*	395.5*	431.0*
Romania	47.8*	70.0*	74.8*	76.4*	78.0*	*N.A.*	*N.A.*
Other							
Albania [c]	1.8*	2.6*	2.7*	3.3*	*N.A.*	*N.A.*	*N.A.*
Cuba	8.6*	15.7	16.2	18.2*	19.5*	21.0*	*N.A.*
Yugoslavia	33.2*	29.3*	25.0*	23.2*	21.3*	19.8*	19.5*

Other NATO Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Belgium	123.7*	197.2*	261.2*	Iceland	2.0* [d]	4.8*	8.3*	Portugal	62.8*	72.2*	54.1* [d]
Canada	227.3*	301.6*	403.9*	Italy	451.8*	802.8*	1,285.3*	Turkey	12.8*	18.8*	33.1*
Denmark	249.2*	363.0*	488.0*	Netherlands	456.0*	725.3*	998.4*	United Kingdom [f]	425.0*	849.0*	1,351.0*
France	741.0*	849.5*	1,108.4* [d]	Norway	52.6* [e]	74.2*	102.6*	West Germany	1,075.2*	1,833.4*	2,947.6*
Greece	11.8*	31.9*	82.2*								

* *An asterisk indicates that the data are unclassified.*

[a] Including only data for the United States and those countries listed under "Other NATO Countries."

[b] Beginning in 1967, data include long-distance calls handled by automatic exchanges.

[c] Including local calls.

[d] Data are for the previous year.

[e] Data are for the year beginning 1 July of the previous year.

[f] Data are for the year beginning 1 April of the previous year.

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Table 173

Telegrams Sent over the Domestic System [a]

Million

	1960	1965	1966	1967	1968	1969	1970
NATO Countries	**246***	**212***	**203***	**191***	**185***	**170***	**N.A.***
United States [b]	124.3*	94.3*	92.7*	89.1*	85.6*	77.1*	73.5*
Communist Countries							
USSR and Eastern Europe	**292***	**333***	**362***	**388***	**406***	**425***	**443***
USSR	241.0*	273.0*	300.0*	323.0*	339.0*	357.0*	372.0*
Eastern Europe	**50.5***	**60.1***	**62.2***	**64.6***	**67.0***	**68.4***	**70.8***
Bulgaria	6.6*	7.7*	8.2*	8.8*	9.2*	9.0*	9.2*
Czechoslovakia	11.6*	13.0*	13.2*	13.5*	14.2*	15.2*	16.0*
East Germany	10.3*	11.8*	11.5*	11.4*	11.8*	12.1*	12.4*
Hungary	7.4*	8.9*	9.2*	9.8*	10.0*	9.2*	9.3*
Poland [c]	10.0*	12.5*	13.4*	14.3*	15.1*	16.0*	16.9*
Romania	4.6*	6.2*	6.7*	6.8*	6.7*	6.9*	7.0*
Far East							
North Vietnam	2.1	2.5	*N.A.*	*N.A.*	*N.A.*	*N.A.*	*N.A.*
Other							
Albania	1.0*	1.1*	1.0*	1.1*	1.2*	1.3*	*N.A.*
Cuba	*N.A.*	13.3*	14.7*	16.7*	*N.A.*	*N.A.*	*N.A.*
Yugoslavia	7.3*	9.1*	8.0*	8.2*	8.5*	9.5*	9.8*

Other NATO Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Belgium	3.3*	3.4*	2.9*	Iceland	0.3*	0.3*	0.3*	Portugal	2.3*	2.6*	2.9*
Canada [d]	13.2*	10.9*	5.3*	Italy [f]	35.2*	38.3*	22.9*	Turkey	9.9*	8.6*	10.9*
Denmark [e]	1.6*	1.7*	1.5*	Luxembourg	0.2*	0.2*	0.2*	United Kingdom [g]	13.6*	9.8*	7.7*
France	12.3*	14.1*	16.7*	Netherlands	2.3*	2.0*	1.4*	West Germany	19.5*	17.7*	12.1*
Greece	4.6*	5.9*	5.7*	Norway	3.4*	2.6*	2.3*				

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for domestic telegrams.

[b] Revenue messages handled by Western Union Telegraph Company, including domestic transmission of transoceanic and marine messages.

[c] Including international telegrams.

[d] All telegrams sent by land are counted as domestic.

[e] Including data for the Faeroe Islands and Greenland.

[f] Data are for the year beginning 1 July of the previous year.

[g] Data are for the year beginning 1 April of the stated year.

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Table 174

Production of Semiconductors [a] in the United States and Selected Communist Countries

Million Units

	1960	1965	1966	1967	1968	1969	1970
United States	313.3*	1,520.4*	2,186.3*	2,065.3*	2,427.1*	3,120.4*	2,655.3*
COMMUNIST COUNTRIES							
USSR and Eastern Europe	**55.0**	**405**	**516**	**662**	**846**	**1,060**	**1,330**
USSR	55.0	350.0	437.0	546.0	681.0	850.0	1,063.0
Eastern Europe	**Negl.**	**55.3**	**79.0**	**116**	**166**	**209**	**270**
Bulgaria	*Negl.*	1.5	2.0	3.0	13.5 [b]	15.0	18.0
Czechoslovakia	*Negl.*	8.4	11.0	20.0	22.0	30.0	39.0
East Germany	*Negl.*	24.0	40.0	55.5 [b]	78.0 [b]	99.5 [b]	129.0 [b]
Hungary	*Negl.*	7.7	10.2	13.7	21.5	27.3	36.0
Poland	*Negl.*	7.7	9.8	11.3	16.5	19.2	26.5
Romania	*Negl.*	6.0	6.0	12.0	14.0	18.0	22.0

* *An asterisk indicates that the data are unclassified.*
[a] Semiconductor diodes, rectifiers, and transistors.
[b] Plan data.

Table 175

Production of Radio Receivers [a]

Thousand Units

	1960	1965	1966	1967	1968	1969	1970
NATO COUNTRIES [b]	**30,100***	**37,700***	**38,000***	**35,600***	**40,100***	**39,500***	**N.A.***
United States [c]	17,969*	25,731*	25,329*	23,215*	24,486*	22,383*	17,781*
COMMUNIST COUNTRIES							
USSR and Eastern Europe	**6,370***	**7,520***	**8,370***	**8,940***	**9,660***	**10,000***	**N.A.**
USSR	4,165*	5,160*	5,842*	6,416*	6,978*	7,266*	7,811*
Eastern Europe	**2,200***	**2,360***	**2,530***	**2,530***	**2,680***	**2,760***	**N.A.**
Bulgaria	157*	130*	184*	149*	139*	160*	*N.A.*
Czechoslovakia	230*	245*	247*	222*	300*	283*	*N.A.*
East Germany	810*	808*	901*	932*	815*	760*	*N.A.*
Hungary	212*	230*	250*	247*	253*	234*	206*
Poland	627*	624*	623*	612*	787*	892*	987*
Romania	167*	323*	325*	367*	388*	428*	*N.A.*
Far East							
Communist China	1,500*	1,500	*N.A.*	*N.A.*	*N.A.*	*N.A.*	*N.A.*
Other							
Yugoslavia	244*	504*	369*	240*	227*	282*	277*

Other NATO Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Belgium	1,103*	1,240*	1,493* [d]	France	2,214*	2,298*	2,836*	United Kingdom	2,504*	1,912*	1,420*
Canada [e]	696*	931*	2,016*	Italy	935*	1,195*	3,380*	West Germany	4,313*	4,071*	5,699*
Denmark	208*	208*	131*	Norway [f]	129*	126*	107* [d]				

* *An asterisk indicates that the data are unclassified.*
[a] Civilian radio receivers and radio-phonograph combinations.
[b] Including only data for the United States and those countries listed under "Other NATO Countries."
[c] Data for radio-phonograph combinations are factory sales.
[d] Data are for the previous year.
[e] Factory sales.
[f] Receiving sets for home use only.

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Table 176

Production of Television Receivers

Thousand Units

	1960	1965	1966	1967	1968	1969	1970
NATO Countries[a]	12,400	18,900	19,700	17,500	20,400	20,300	N.A.
United States	5,828	11,028	12,402	10,881	11,794	11,270	9,483
Communist Countries							
USSR and Eastern Europe	2,720	5,360	6,110	6,770	7,700	8,670	N.A.
USSR	1,726	3,655	4,415	4,955	5,742	6,595	6,687
Eastern Europe	989	1,700	1,700	1,810	1,960	2,080	N.A.
Bulgaria	*Negl.*	74	90	130	153	174	192
Czechoslovakia	263	274	228	256	350	382	383
East Germany	416	537	562	475	400	355	*N.A.*
Hungary	139	267	298	316	339	345	364
Poland	171	452	412	495	560	600	616
Romania	*Negl.*	101	105	142	161	221	290
Other							
Yugoslavia	14	254	286	252	286	334	320

Other NATO Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Belgium	216	408	379[b]	France	655	1,250	1,417	United Kingdom	2,141	1,591	1,902
Canada[c]	338	556	615	Italy	728	1,042	1,650	West Germany	2,164	2,776	2,894
Denmark	233	109	79	Norway[d]	64	106	72				

[a] Including only data for the United States and those countries listed under "Other NATO Countries."
[b] Data are for the previous year.
[c] Factory sales.
[d] Receiving sets for home use only.

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Table 177

Radio Receivers in Public Use [a] in the United States and Selected Communist Countries

Thousand Units

	1960	1965	1966	1967	1968	1969	1970
United States	168,300	242,000	262,700	281,800	300,900	320,700	336,000
COMMUNIST COUNTRIES							
USSR and Eastern Europe	**44,400**	**57,200**	**59,200**	**61,500**	**64,400**	**66,800**	**69,300**
USSR [b]	27,811	38,228	39,805	41,785	44,400	46,700	49,100
Eastern Europe	**16,600**	**19,000**	**19,400**	**19,700**	**20,000**	**20,100**	**20,200**
Bulgaria	869	1,400	1,469	1,528	1,545	1,555	1,565
Czechoslovakia [b]	3,104	3,100	3,179	3,185	3,287	3,221	3,174
East Germany [b]	5,574	5,743	5,820	5,881 [c]	5,942	5,983	6,010
Hungary [b d]	1,969	2,321	2,379	2,440	2,488	2,506	2,530
Poland	3,796	4,537	4,519	4,505	4,588	4,662	4,697
Romania [b]	1,283	1,920	2,051	2,146	2,172	2,204	2,251
Other							
Albania	54	82	89	105	120	*N.A.*	*N.A.*
Yugoslavia [b]	1,562	2,783	3,003	3,111	3,171	3,320	3,380

[a] Data are as of the end of the year and exclude wired loudspeakers.
[b] Radio subscribers.
[c] Excluding data for portable radio receivers.
[d] Data differ from those presented in the previous *Handbook*, which included wired loudspeakers.

Table 178

Television Receivers in Public Use [a]

Thousand Units

	1960	1965	1966	1967	1968	1969	1970
NATO COUNTRIES	**82,800**	**121,000**	**129,000**	**136,000**	**143,000**	**154,000**	**163,000**
United States	57,100	71,400	75,800	80,100	84,600	88,400	92,700
COMMUNIST COUNTRIES							
USSR and Eastern Europe	**7,210**	**24,600**	**29,600**	**34,700**	**40,400**	**45,700**	**51,100**
USSR	4,788	15,693	19,043	22,724	26,800	30,800	35,000
Eastern Europe [b]	**2,420**	**8,920**	**10,500**	**12,000**	**13,600**	**14,900**	**16,100**
Bulgaria	3	185	288	420	621	829	3,091
Czechoslovakia	795	2,113	2,375	2,600	2,864	2,996	3,060
East Germany	1,035	3,216	3,600	3,933	4,173	4,337	4,500
Hungary	104	831	996	1,169	1,397	1,596	1,769
Poland	426	2,078	2,540	2,934	3,389	3,828	4,215
Romania	55	501	712	916	1,115	1,288	1,485
Other							
Yugoslavia [b]	30	577	777	1,008	1,298	1,546	1,798

Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Belgium	520	1,461	2,105	Iceland	1	10	36	Portugal	58	182	360
Canada	3,840	5,310	7,700	Italy	2,361	6,216	9,700	Turkey	1	1	100
Denmark	545	1,079	1,510	Luxembourg	7	31	71	United Kingdom	11,028	15,000	16,750
France	2,000	6,518	11,400	Netherlands	812	2,239	3,150	West Germany	4,465	11,379	16,800
Greece	*N.A.*	4	120	Norway	49	490	853				

[a] Data are as of the end of the year and include monochrome and color television receivers.
[b] Television subscribers.

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Table 179

Selected Conversion Factors

To Convert From	To	Multiply By
Acres	Hectares	0.40468564
Acres	Kilometers, square	0.004046856
Acres	Meters, square	4,046.856
Acres	Miles, square	0.0015625
Feet	Meters	0.30480061
Feet, cubic	Meters, cubic	0.028317
Feet, cubic	Tons, register	0.01
Feet, square	Meters, square	0.09290341
Gallons, US liquid	Meters, cubic	0.0037854
Gallons, US liquid	Inches, cubic	231
Gallons, US liquid	Feet, cubic	0.1336816
Gallons, US liquid	Liters	3.785306
Hectares	Acres	2.471054
Hectares	Kilometers, square	0.01
Hectares	Miles, square	0.00386101
Kilometers	Miles, US nautical	0.539957
Kilometers	Miles, US statute	0.621371
Kilometers, square	Acres	247.1054
Kilometers, square	Hectares	100
Kilometers, square	Miles, square	0.386101
Meters	Feet	3.280840
Meters	Yards	1.093613
Meters, cubic	Tons, register	0.353147
Meters, cubic	Feet, cubic	35.314667
Meters, cubic	Gallons, US liquid	264.17205
Meters, square	Feet, square	10.763910
Meters, square	Yards, square	1.195991
Miles, US nautical	Kilometers	1.852
Miles, square	Acres	640
Miles, square	Hectares	259
Miles, square	Kilometers, square	2.59
Miles, statute	Kilometers	1.609344
Ounces, troy	Grams	31.103486
Pounds, avoirdupois	Quintals	0.00453592
Pounds, avoirdupois	Tons, metric	0.000453592
Quarts, US dry	Liters	1.10119
Quarts, US liquid	Liters	0.946326
Quintals	Pounds	220.4622
Quintals	Tons, metric	0.1
Tons, long	Tons, metric	1.016047
Ton-kilometers, metric	Ton-miles, short	0.684943
Tons, metric	Pounds	2,204.622
Tons, metric	Quintals	10
Tons, metric	Tons, long	0.984206
Tons, metric	Tons, short	1.10231
Ton-miles, short	Ton-kilometers, metric	1.459975
Tons, register	Feet, cubic	100
Tons, register	Meters, cubic	2.831685
Tons, short	Tons, metric	0.907185
Yards	Meters	0.9144018
Yards, square	Meters, square	0.836127

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Table 180

Rates of Exchange for Currencies of the Communist Countries
as of 1 April 1971

	Unit of Currency	Rate of Exchange			
		In Terms of US $1		In Terms of 1 Ruble	
		Commercial Rate [a]	Noncommercial Rate [b]	Commercial Rate [a]	Noncommercial Rate [b]
USSR	Ruble	0.90	0.90		
Eastern Europe					
Bulgaria	Lev	1.17	1.99	1.3	0.78
Czechoslovakia	Koruna	7.2	14.36	8.0	9.66
East Germany	Deutsche Mark East	4.2 [c]	4.2	4.67 [c]	3.20
Hungary	Forint	11.74	30	13.04	13.11
Poland	Zloty	4	24	4.44	15.32
Romania	Leu	6	12	6.67	8.31
Far East					
Communist China	Yuan	2.46 [d]	2.46 [d]	2.22	1.29
North Korea	Won	1.20	2.57	1.33	1.44
North Vietnam	Dong	2.94	3.7	3.27	1.92
Other					
Albania	Lek	5	12.5	5.56	8.4
Cuba	Peso	1	1	1.11	1.11
Mongolia	Tugrik	4.0	4.5	4.44	4.18
Yugoslavia	Dinar	15.0	15.0	16.7	16.7

[a] Official rates unless otherwise indicated. These rates are used for converting trade statistics.

[b] Rates used for noncommercial transactions such as diplomatic, tourist and student expenditures, personal remittances, and the like. Some countries have special rates for tourists and personal remittances in addition to the noncommercial rate.

[c] The unofficial rates actually used in East German accounting of foreign trade transactions. Official rates still listed, but not used, are 2.22 DME to US $1 and 2.47 DME to 1 ruble.

[d] Based on the cross rate of exchange between the yuan and the UK pound sterling.

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ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 181

Cross Rates of Exchange for Currencies of the NATO Countries [a]

Country: (Monetary unit):		United States (Dollar)	Belgium [b] (Franc)	Canada (Dollar)	Denmark (Krone)	France (Franc)	Greece (Drachma)	Iceland (Krona)	Italy (Lira)	Netherlands (Guilder)	Norway (Krone)	Portugal (Escudo)	Turkey (Lira)	United Kingdom (Pound)	West Germany (Deutsche Mark)
		One monetary unit of the currency quoted above equals the following:													
United States	Dollar	1.000	0.020	0.925	0.133	0.180	0.033	0.011	0.0016	0.276	0.140	0.035	0.067	2.400	0.273
Belgium [b]	Franc	50.00	1.000	46.25	6.667	9.00	1.667	0.568	0.0800	13.81	7.000	1.739	3.333	120.0	13.66
Canada	Dollar	1.081	0.022	1.000	0.144	0.195	0.036	0.012	0.0017	0.299	0.151	0.038	0.072	2.595	0.295
Denmark	Krone	7.500	0.150	6.938	1.000	1.350	0.250	0.085	0.0120	2.072	1.050	0.261	0.500	18.00	2.049
France	Franc	5.554	0.111	5.138	0.741	1.000	0.185	0.063	0.0089	1.533	0.778	0.193	0.370	13.33	1.518
Greece	Drachma	30.00	0.600	27.75	4.000	5.401	1.000	0.341	0.0480	8.287	4.200	1.043	2.000	72.00	8.197
Iceland	Krona	88.00	1.760	81.40	11.733	15.84	2.933	1.000	0.1408	24.31	12.320	3.061	5.882	211.2	24.04
Italy	Lira	625.0	12.50	578.1	83.33	112.5	20.83	7.10	1.000	172.7	87.50	21.74	41.67	1,500	170.8
Netherlands	Guilder	3.620	0.072	3.349	0.483	0.652	0.121	0.041	0.0058	1.000	0.507	0.126	0.241	8.69	0.989
Norway	Krone	7.143	0.143	6.607	0.952	1.286	0.238	0.081	0.0114	[illegible]	1.000	0.248	0.476	17.14	1.952
Portugal	Escudo	28.75	0.575	26.59	3.833	5.176	0.958	0.327	0.0460	7.[illegible]	4.025	1.000	1.916	69.00	7.855
Turkey	Lira	15.00	0.300	13.88	2.000	2.701	0.500	0.170	0.0240	4.144	2.100	0.522	1.000	35.97	4.098
United Kingdom	Pound	0.417	0.008	0.385	0.056	0.075	0.014	0.005	0.0007	0.115	0.058	0.014	0.028	1.000	0.114
West Germany	Deutsche Mark	3.660	0.073	3.386	0.488	0.659	0.122	0.042	0.0059	1.011	0.512	0.127	0.244	8.78	1.000

[a] Par values as declared to the International Monetary Fund. Data are as of 15 April 1971.
[b] The rates of exchange for Luxembourg are the same as those for Belgium.

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